

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049685.D
 Acq On : 3 Jul 2018 9:57
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 7/5/2018 2:27:29 PM

Quant Time: Jul 03 23:13:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1314344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1871743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1736911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1018333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	797528	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.59	113	671649	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	10.09	98	2637128	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.40	95	952753	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	706440	47.694	ug/l	97
3) Chloromethane	2.06	50	891638	48.197	ug/l	99
4) Vinyl Chloride	2.18	62	966662	48.651	ug/l	99
5) Bromomethane	2.56	94	460618	44.133	ug/l	98
6) Chloroethane	2.70	64	615864	48.971	ug/l	100
7) Trichlorofluoromethane	3.01	101	1199211	52.838	ug/l	100
8) Diethyl Ether	3.41	74	448352	48.736	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	804432	49.264	ug/l	99
10) Methyl Iodide	3.94	142	969620	47.447	ug/l	97
11) Tert butyl alcohol	4.80	59	271092	272.176	ug/l	99
12) 1,1-Dichloroethene	3.73	96	731106	47.359	ug/l	99
13) Acrolein	3.60	56	202620	217.787	ug/l	99
14) Allyl chloride	4.32	41	1052844	49.651	ug/l	99
15) Acrylonitrile	4.99	53	1360859	264.539	ug/l	100
16) Acetone	3.82	43	1008249	290.543	ug/l	99
17) Carbon Disulfide	4.05	76	2158912	50.817	ug/l	99
18) Methyl Acetate	4.33	43	729525	47.122	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	2000449	50.268	ug/l	98
20) Methylene Chloride	4.55	84	859358	48.080	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	794701	50.020	ug/l	99
22) Diisopropyl ether	5.95	45	2446373	50.992	ug/l	99
23) Vinyl Acetate	5.90	43	8051404	258.796	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1464481	48.455	ug/l	99
25) 2-Butanone	6.84	43	1605859	278.689	ug/l	98
26) 2,2-Dichloropropane	6.82	77	1243384	49.533	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	874786	49.291	ug/l	99
28) Bromochloromethane	7.20	49	634417	49.458	ug/l	99
29) Tetrahydrofuran	7.21	42	1017538	277.061	ug/l	99
30) Chloroform	7.37	83	1507754	48.938	ug/l	98
31) Cyclohexane	7.65	56	1309437	50.550	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1295667	49.673	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1144725	54.360	ug/l	99
37) Ethyl Acetate	6.93	43	692491	56.380	ug/l	99
38) Carbon Tetrachloride	7.77	117	1088127	53.119	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049685.D
 Acq On : 3 Jul 2018 9:57
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 7/5/2018 2:27:29 PM

Quant Time: Jul 03 23:13:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1274605	55.205	ug/l	97
40) Benzene	8.04	78	3403438	52.930	ug/l	99
41) Methacrylonitrile	7.17	41	326476	47.155	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	1072409	52.259	ug/l	100
43) Isopropyl Acetate	8.17	43	1315072	53.970	ug/l #	88
44) Trichloroethene	8.83	130	988537	50.977	ug/l	99
45) 1,2-Dichloropropane	9.12	63	890358	53.595	ug/l	100
46) Dibromomethane	9.21	93	536670	53.398	ug/l	99
47) Bromodichloromethane	9.40	83	1152068	53.848	ug/l	99
48) Methyl methacrylate	9.20	41	639388	58.581	ug/l	98
49) 1,4-Dioxane	9.20	88	172050	1172.514	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	3562340	295.817	ug/l	100
52) Toluene	10.16	92	2117801	54.517	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1132293	55.271	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1310440	54.731	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	763338	52.774	ug/l	98
56) Ethyl methacrylate	10.43	69	995163	58.696	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1285122	54.793	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2333383	263.455	ug/l	100
59) 2-Hexanone	10.75	43	2514517	315.773	ug/l	99
60) Dibromochloromethane	10.90	129	875101	55.978	ug/l	98
61) 1,2-Dibromoethane	11.01	107	756949	54.618	ug/l	99
64) Tetrachloroethene	10.63	164	1210737	51.481	ug/l	99
65) Chlorobenzene	11.44	112	2310805	50.999	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	847767	52.071	ug/l	99
67) Ethyl Benzene	11.51	91	4031933	53.831	ug/l	100
68) m/p-Xylenes	11.62	106	3197378	111.390	ug/l	100
69) o-Xylene	11.95	106	1510641	54.969	ug/l	98
70) Styrene	11.97	104	2534988	57.010	ug/l	100
71) Bromoform	12.13	173	606839	56.094	ug/l #	99
73) Isopropylbenzene	12.25	105	4007586	49.406	ug/l	100
74) N-amyl acetate	12.07	43	1152867	52.032	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	899016	53.466	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	839299m	51.390	ug/l	
77) Bromobenzene	12.53	156	1023612	46.408	ug/l	99
78) n-propylbenzene	12.59	91	4818300	51.829	ug/l	100
79) 2-Chlorotoluene	12.68	91	2832100	48.136	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3506291	52.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	246829	51.331	ug/l	98
82) 4-Chlorotoluene	12.78	91	2907572	49.149	ug/l	100
83) tert-Butylbenzene	13.00	119	2923910	50.496	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3616152	52.210	ug/l	100
85) sec-Butylbenzene	13.17	105	4006504	52.224	ug/l	100
86) p-Isopropyltoluene	13.29	119	3601358	54.197	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	1937565	51.894	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1889016	51.501	ug/l	100
89) n-Butylbenzene	13.62	91	3029917	53.260	ug/l	100
90) Hexachloroethane	13.88	117	364675	52.246	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1884875	52.601	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	151921	53.804	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
Data File : VN049685.D
Acq On : 3 Jul 2018 9:57
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

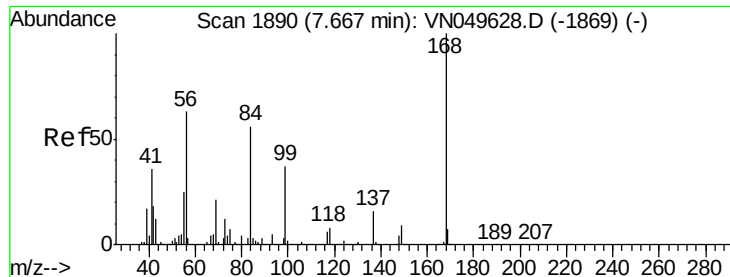
Manual Integrations
APPROVED

sam
7/5/2018 2:27:29 PM

Quant Time: Jul 03 23:13:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	886326	47.370	ug/l	100
94) Hexachlorobutadiene	15.01	225	597349	55.474	ug/l	99
95) Naphthalene	15.14	128	1873426	45.680	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	874432	49.109	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1314344

Ion Ratio Lower Upper

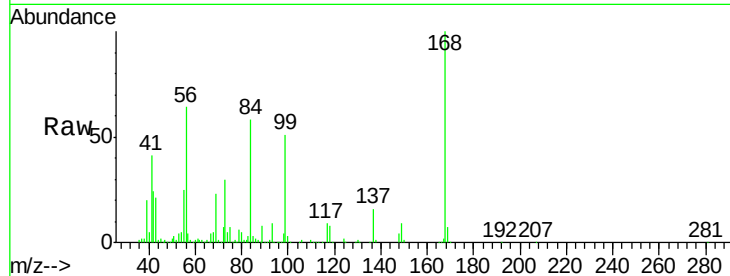
168 100

99 50.5 40.6 61.0

Manual Integrations
APPROVED

sam

7/5/2018 2:27:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

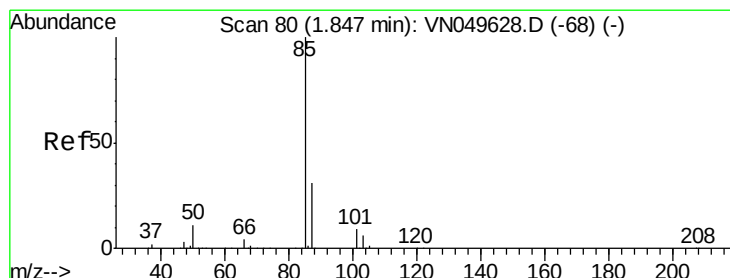
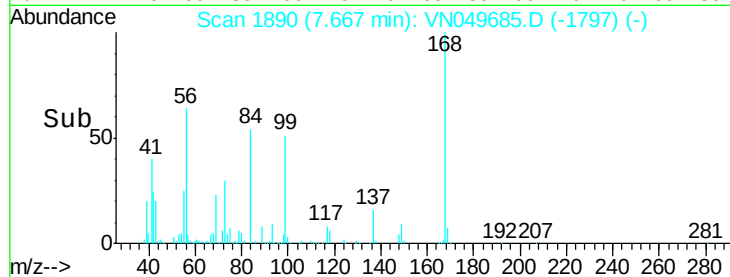
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.694 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049685.D

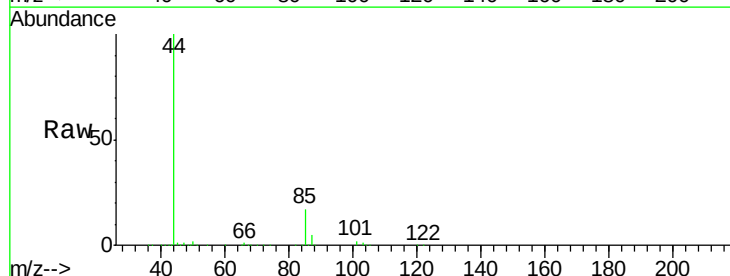
Acq: 3 Jul 2018 9:57

Tgt Ion: 85 Resp: 706440

Ion Ratio Lower Upper

85 100

87 32.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

600000

500000

400000

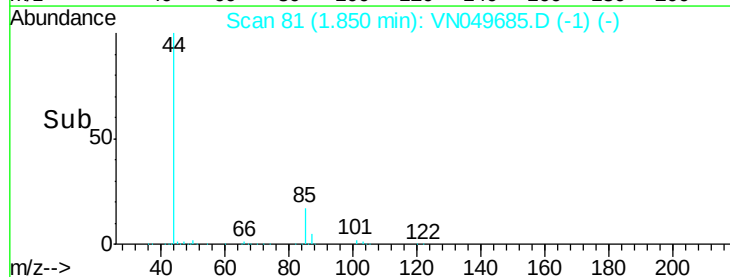
300000

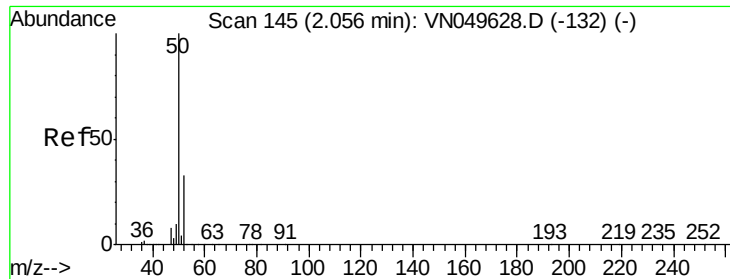
200000

100000

0

Time-->





#3

Chloromethane

Concen: 48.197 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 891638

Ion Ratio Lower Upper

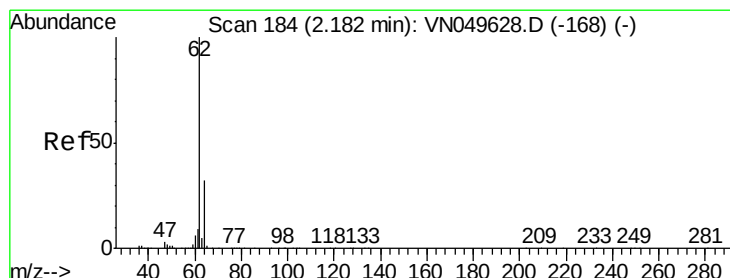
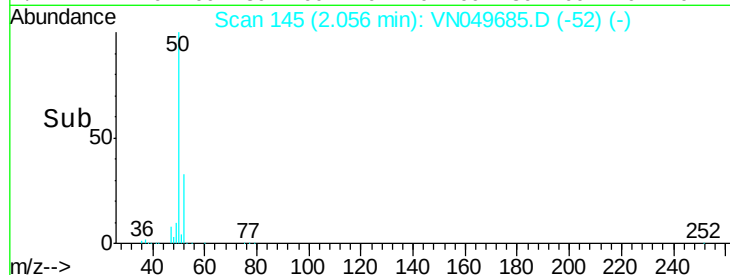
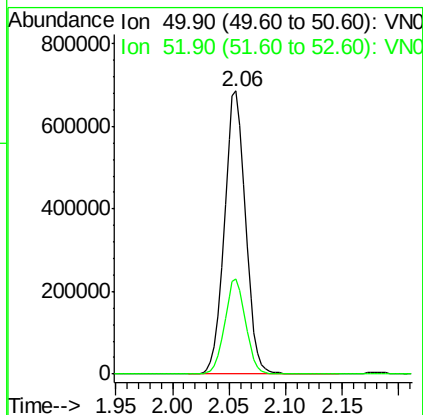
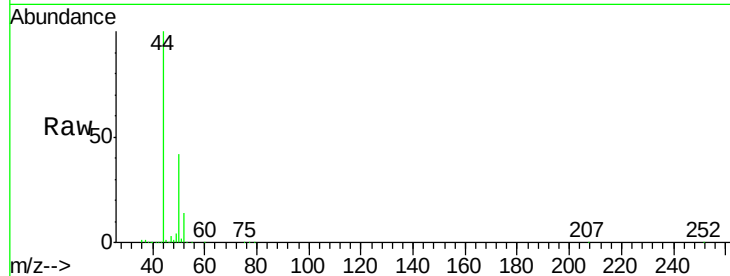
50 100

52 33.4 26.1 39.1

Manual Integrations
APPROVED

sam

7/5/2018 2:27:29 PM



#4

Vinyl Chloride

Concen: 48.651 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN049685.D

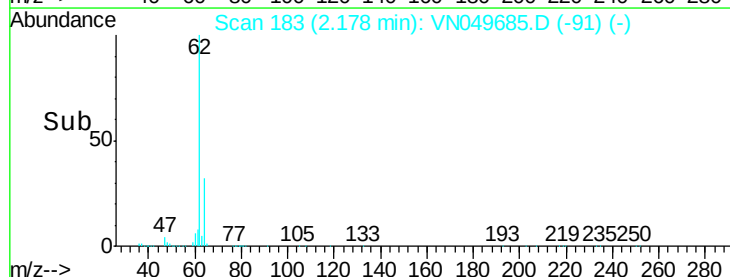
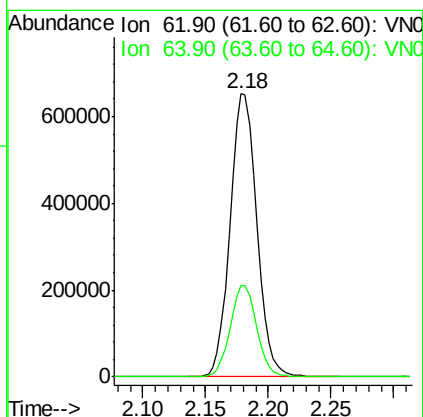
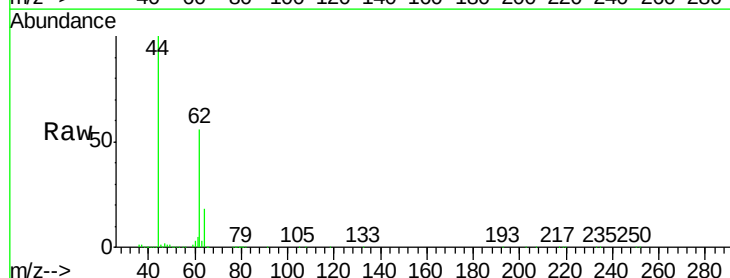
Acq: 3 Jul 2018 9:57

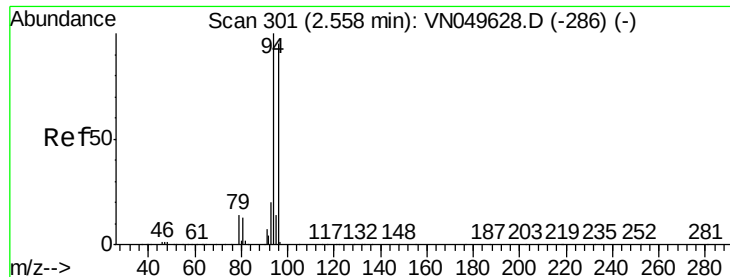
Tgt Ion: 62 Resp: 966662

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0





#5

Bromomethane

Concen: 44.133 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 460618

Ion Ratio Lower Upper

94 100

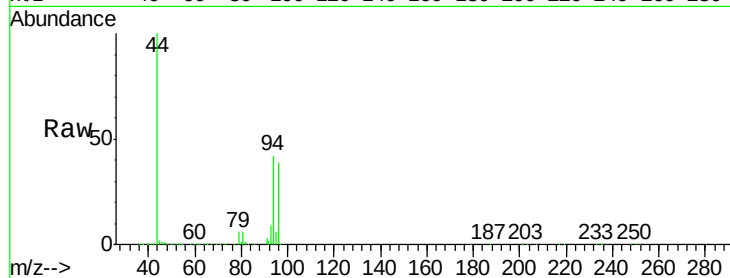
96 92.5 75.7 113.5

Manual Integrations

APPROVED

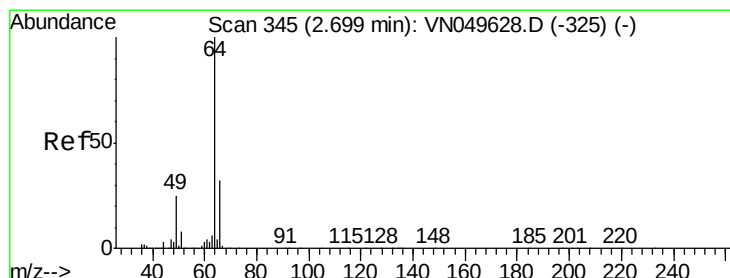
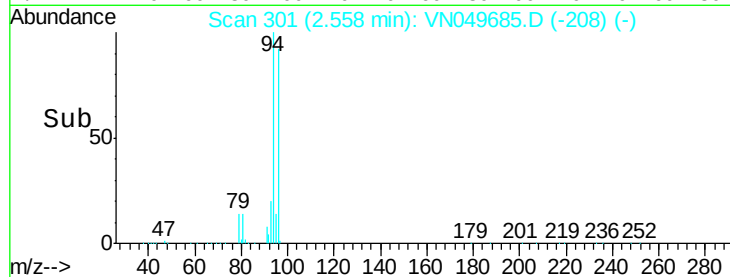
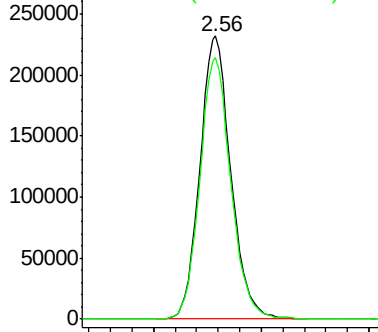
sam

7/5/2018 2:27:29 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.971 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN049685.D

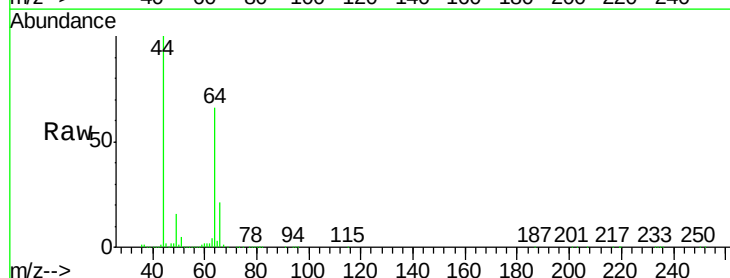
Acq: 3 Jul 2018 9:57

Tgt Ion: 64 Resp: 615864

Ion Ratio Lower Upper

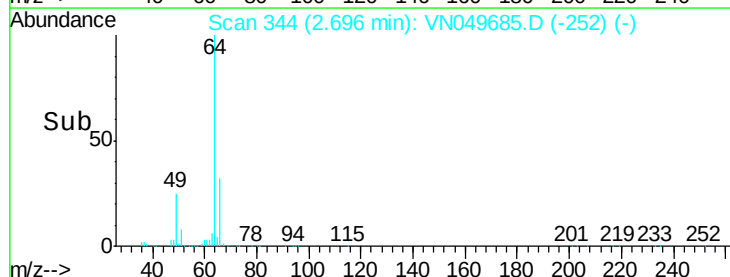
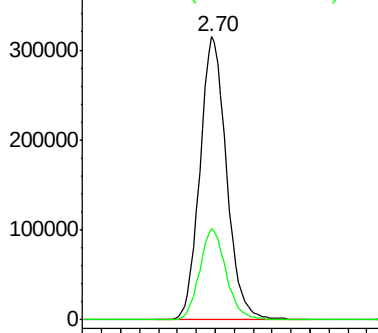
64 100

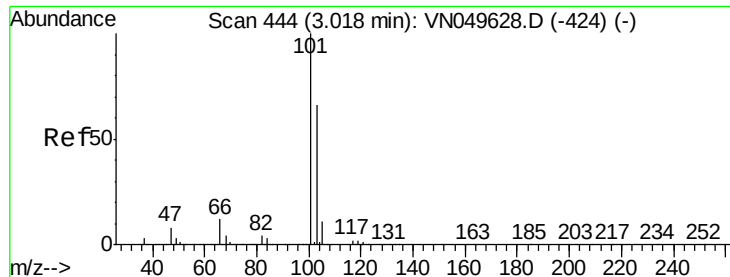
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

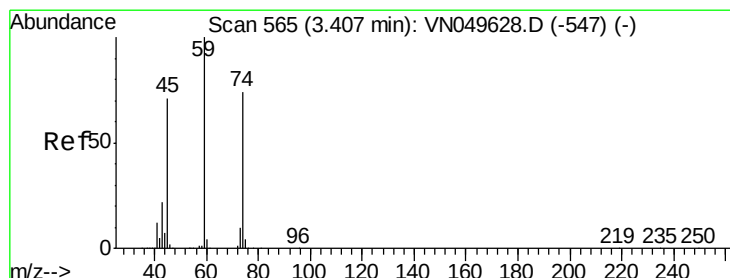
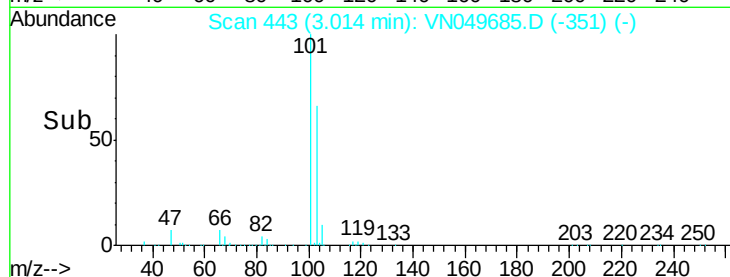
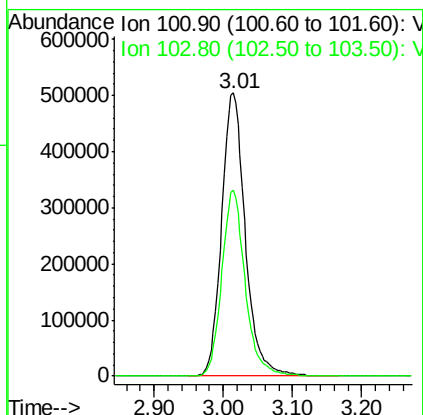
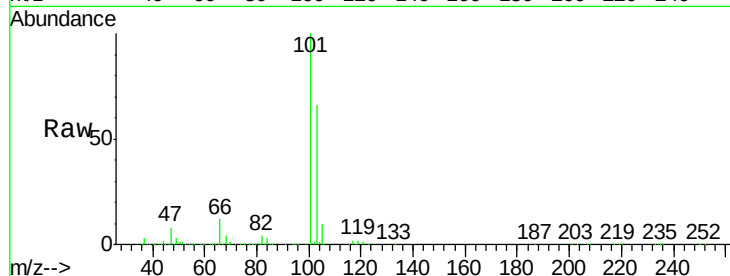
Trichlorofluoromethane
Concen: 52.838 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 1199211
Ion Ratio Lower Upper
101 100
103 65.6 52.8 79.2

Manual Integrations
APPROVED

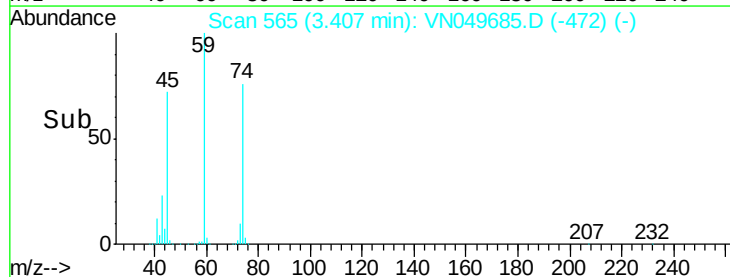
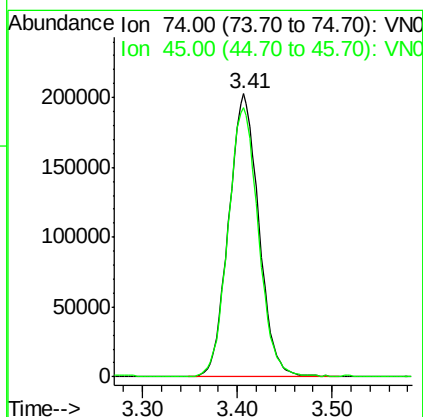
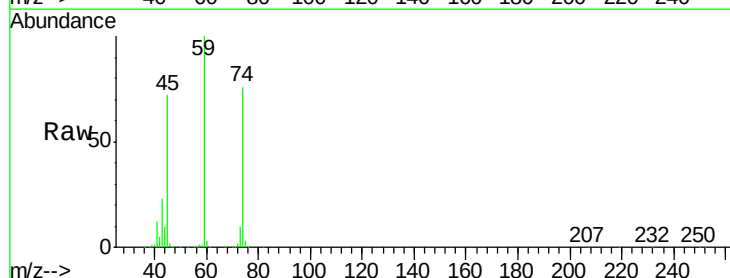
sam
7/5/2018 2:27:29 PM

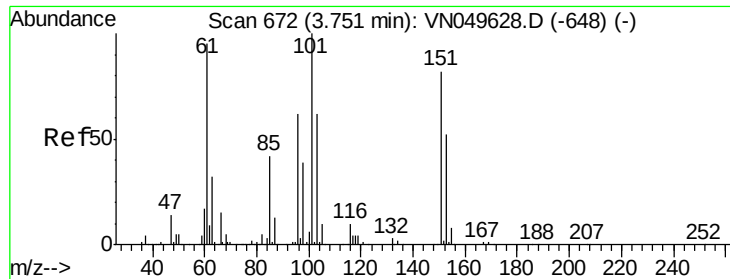


#8

Diethyl Ether
Concen: 48.736 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 74 Resp: 448352
Ion Ratio Lower Upper
74 100
45 95.3 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.264 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

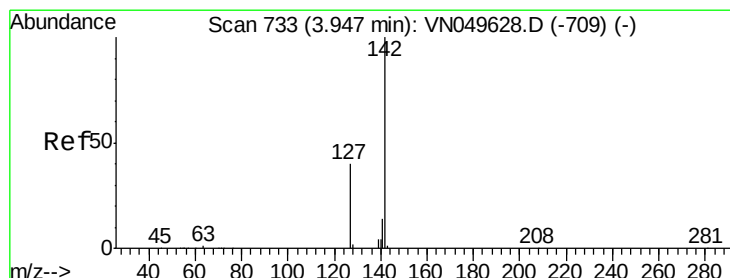
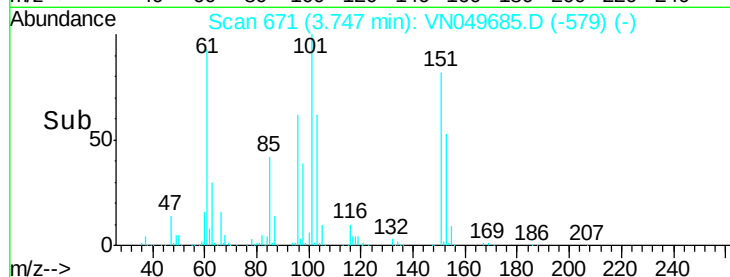
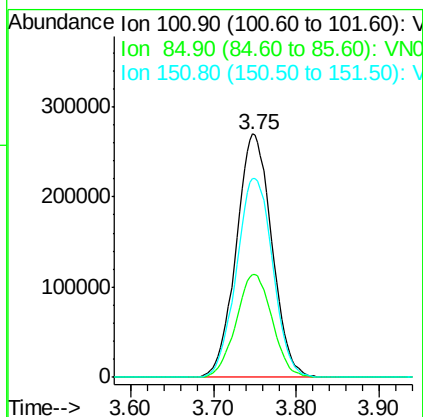
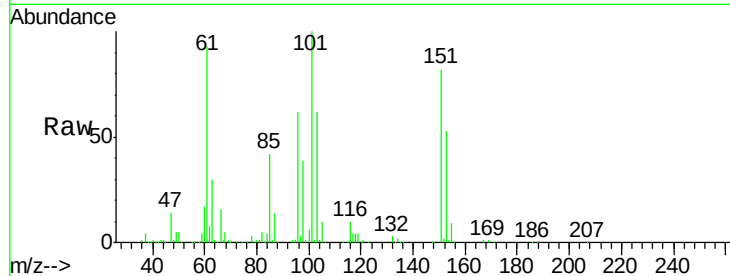
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	804432
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.4	51.6
151	83.6	66.2	99.4

Manual Integrations
APPROVED

sam
7/5/2018 2:27:29 PM



#10

Methyl Iodide

Concen: 47.447 ug/l

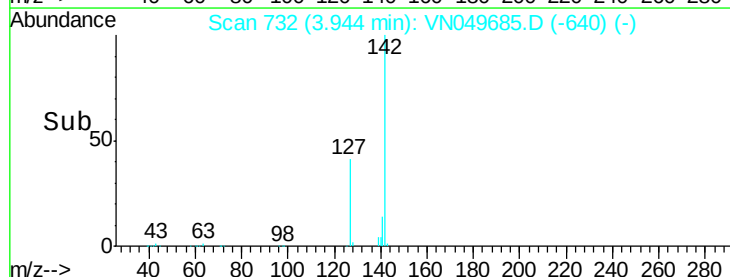
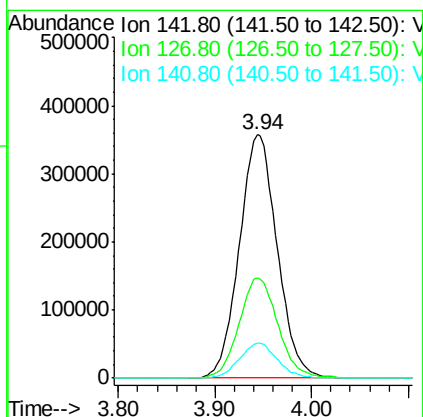
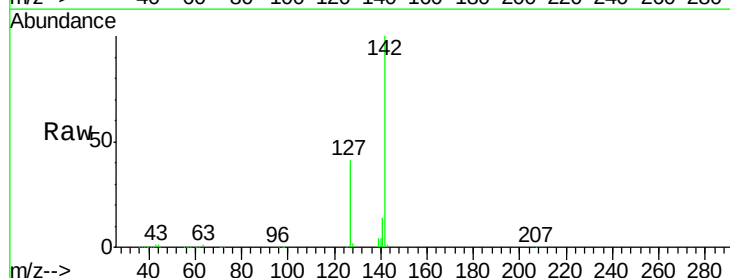
RT: 3.94 min Scan# 732

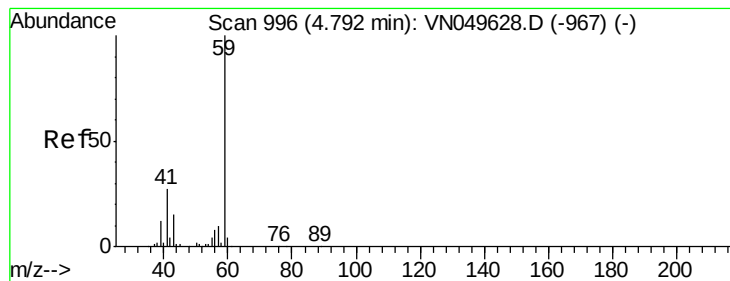
Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Tgt Ion:	142	Resp:	969620
Ion Ratio	Lower	Upper	
142	100		
127	42.4	32.5	48.7
141	14.5	11.1	16.7





#11

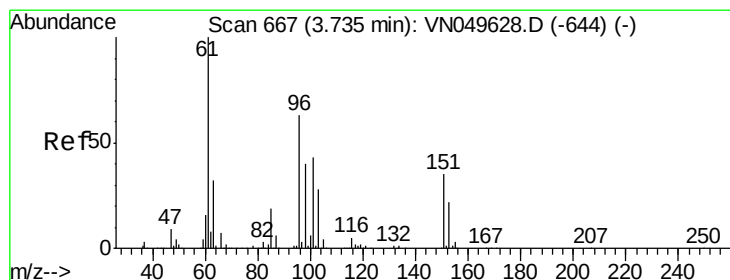
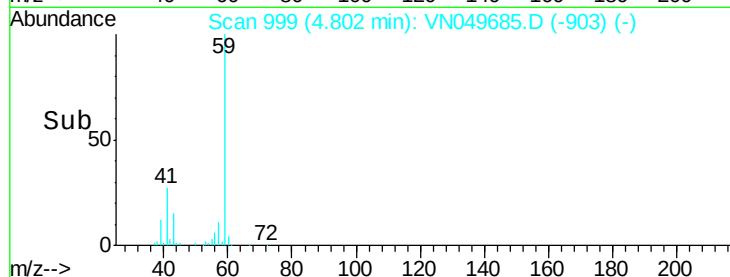
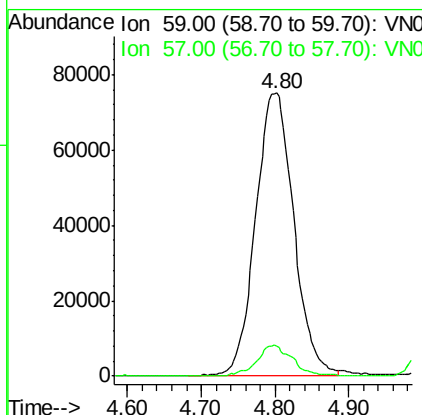
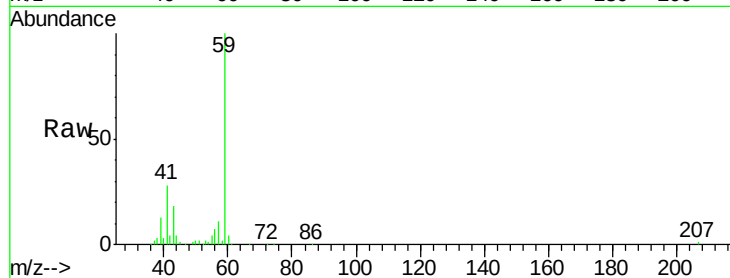
Tert butyl alcohol
Concen: 272.176 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

Manual Integrations
APPROVED

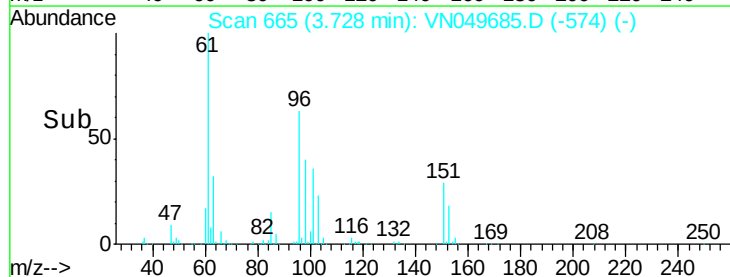
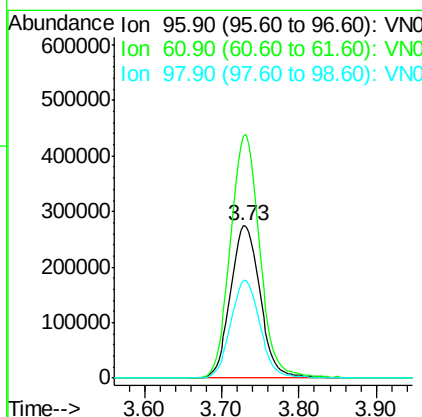
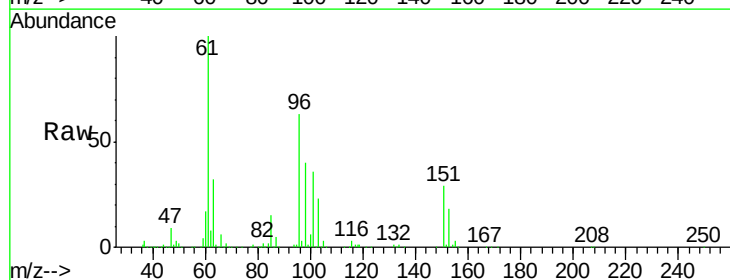
sam
7/5/2018 2:27:29 PM

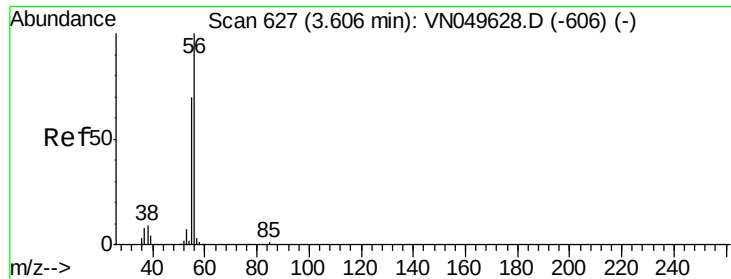


#12

1,1-Dichloroethene
Concen: 47.359 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.01 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	126.5	189.7
98	64.1	51.0	76.6





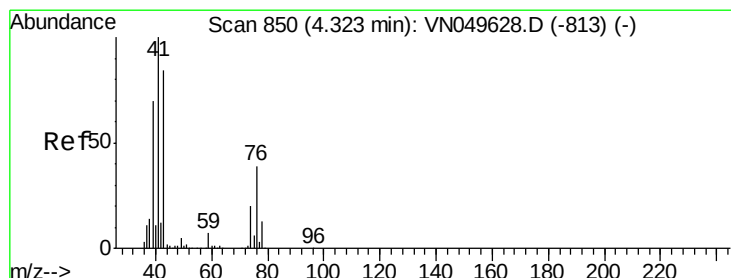
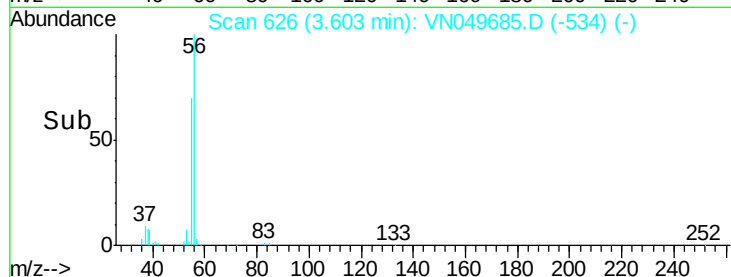
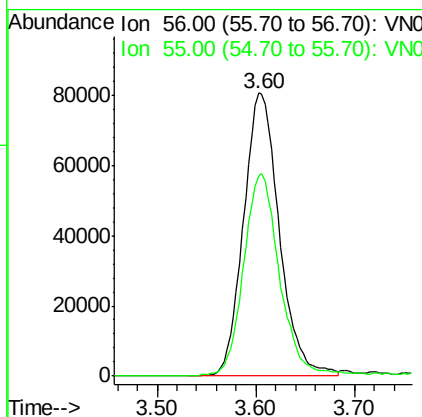
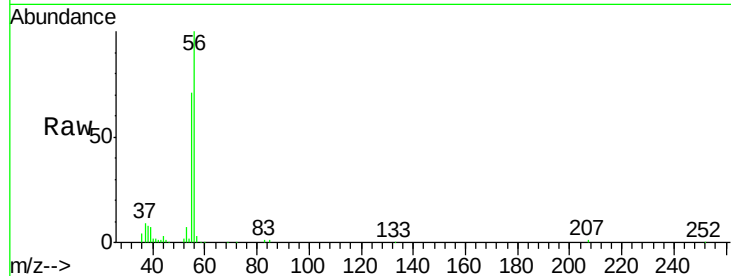
#13
Acrolein
Concen: 217.787 ug/l
RT: 3.60 min Scan# 626
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	202620
Ion Ratio	Lower	Upper	
56	100		
55	70.5	55.8	83.8

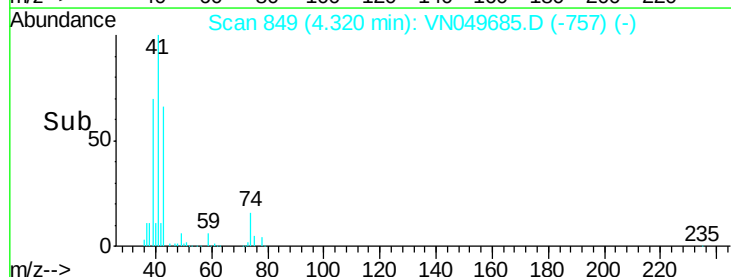
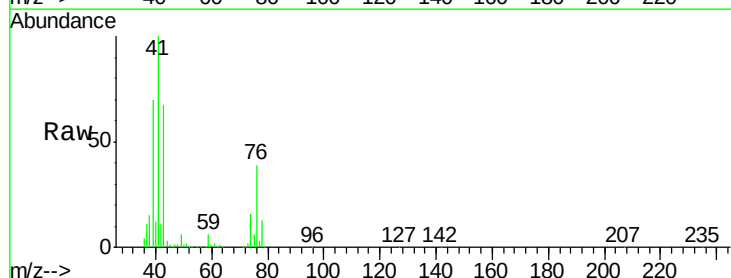
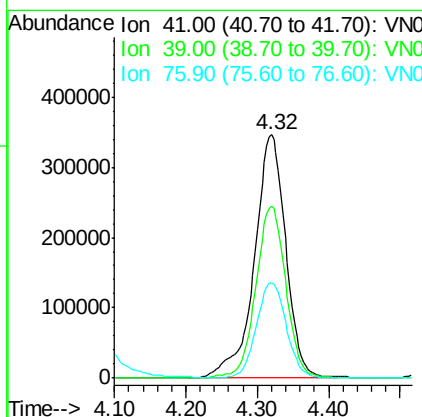
Manual Integrations
APPROVED

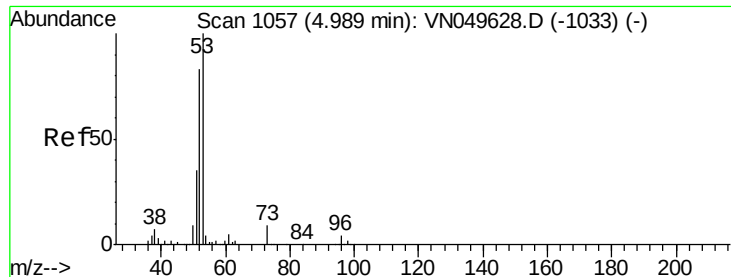
sam
7/5/2018 2:27:29 PM



#14
Allyl chloride
Concen: 49.651 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion	41	Resp	1052844
Ion Ratio	Lower	Upper	
41	100		
39	67.7	53.2	79.8
76	36.7	29.0	43.6





#15

Acrylonitrile

Concen: 264.539 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 53 Resp: 1360859

Ion Ratio Lower Upper

53 100

52 81.1 64.8 97.2

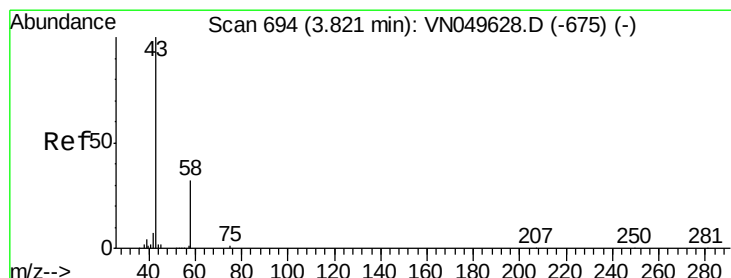
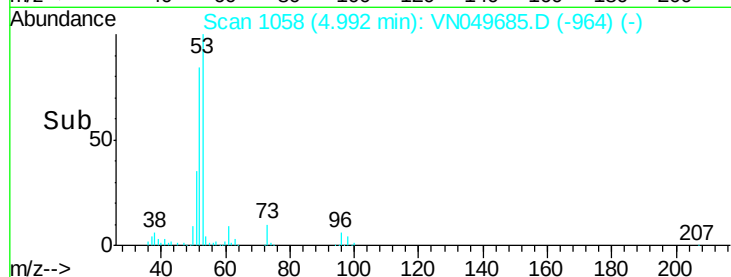
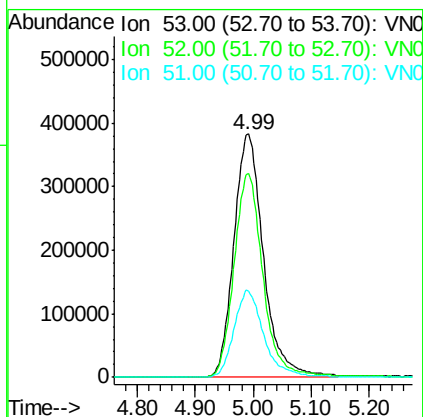
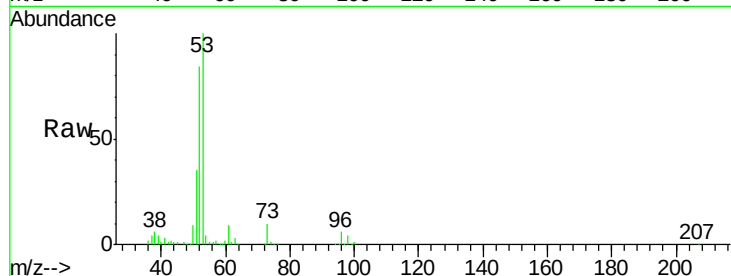
51 36.3 28.9 43.3

Manual Integrations

APPROVED

sam

7/5/2018 2:27:29 PM



#16

Acetone

Concen: 290.543 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049685.D

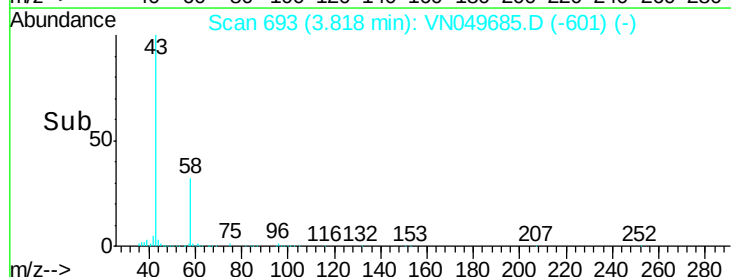
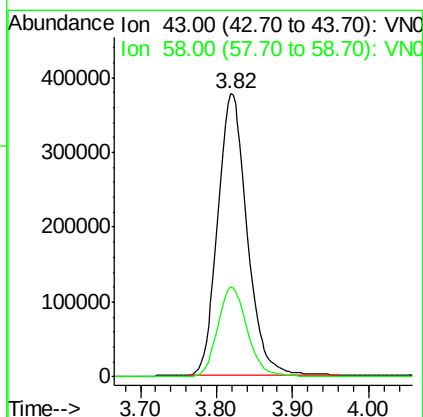
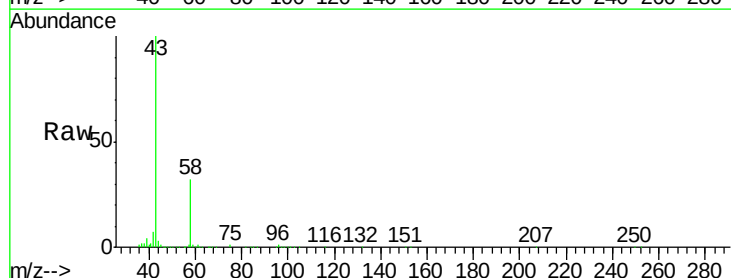
Acq: 3 Jul 2018 9:57

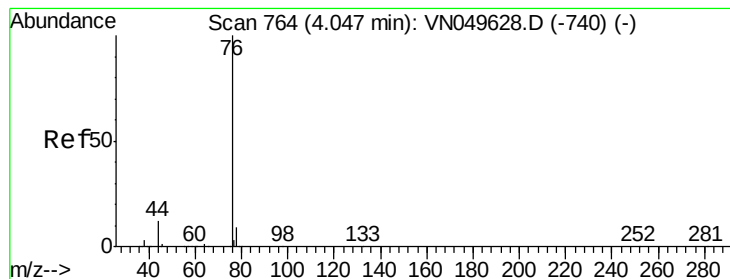
Tgt Ion: 43 Resp: 1008249

Ion Ratio Lower Upper

43 100

58 31.8 25.9 38.9





#17

Carbon Disulfide

Concen: 50.817 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 2158912

Ion Ratio Lower Upper

76 100

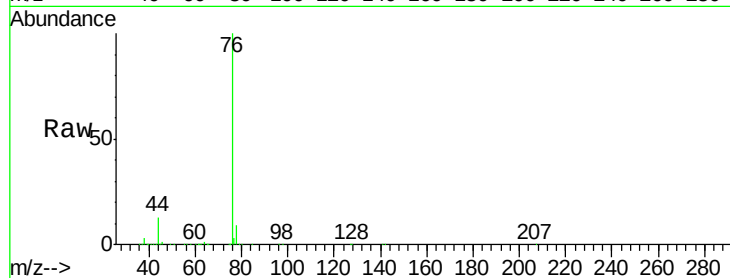
78 9.3 7.1 10.7

Manual Integrations

APPROVED

sam

7/5/2018 2:27:29 PM



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)

4.05

800000

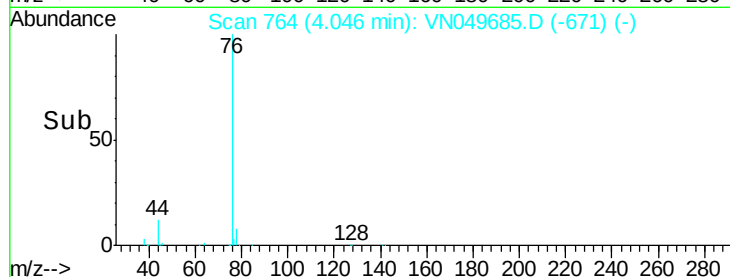
600000

400000

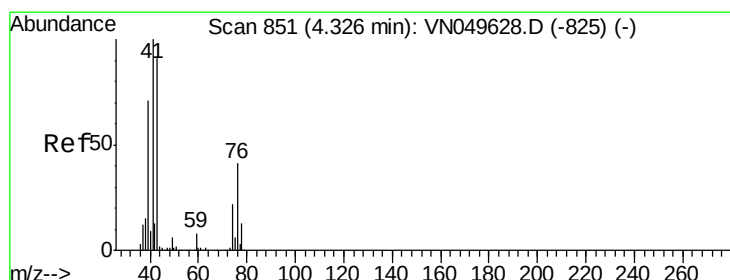
200000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 47.122 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049685.D

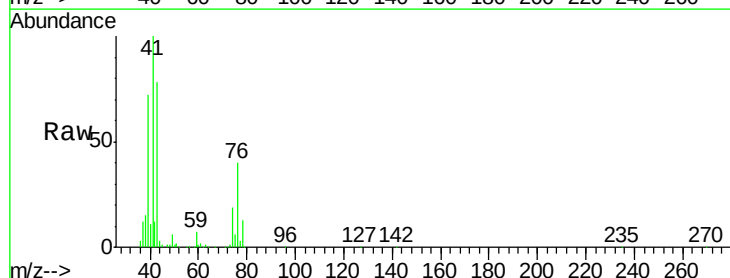
Acq: 3 Jul 2018 9:57

Tgt Ion: 43 Resp: 729525

Ion Ratio Lower Upper

43 100

74 23.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-825) (-)

Ion 74.00 (73.70 to 74.70): VN049628.D (-825) (-)

4.33

300000

250000

200000

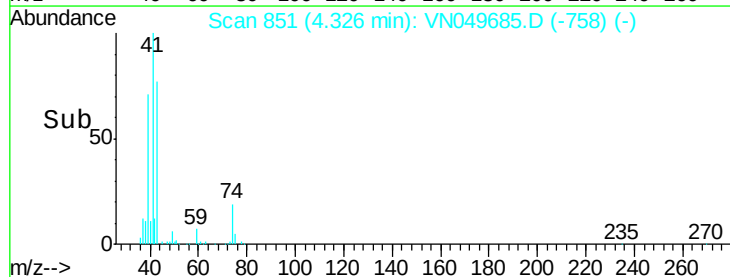
150000

100000

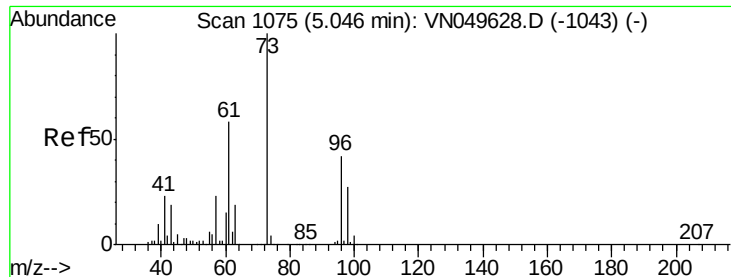
50000

0

Time-->



Time-->



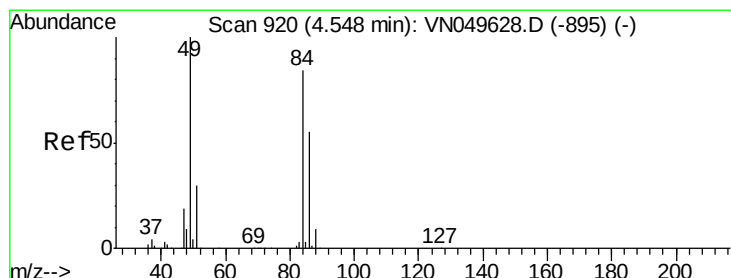
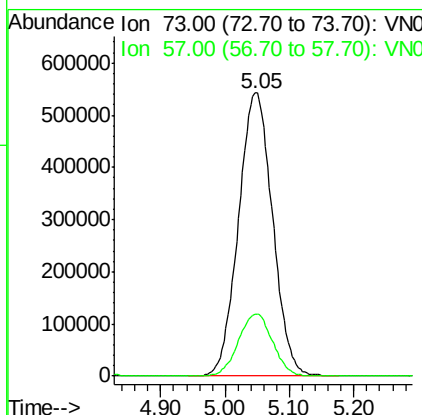
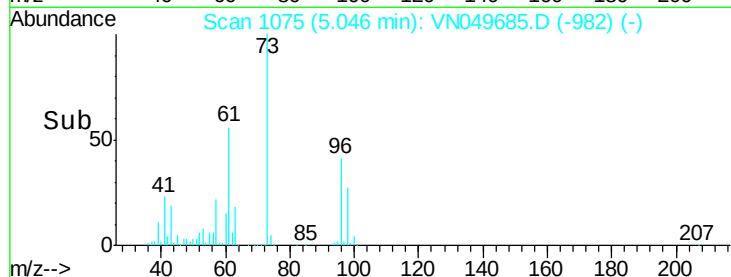
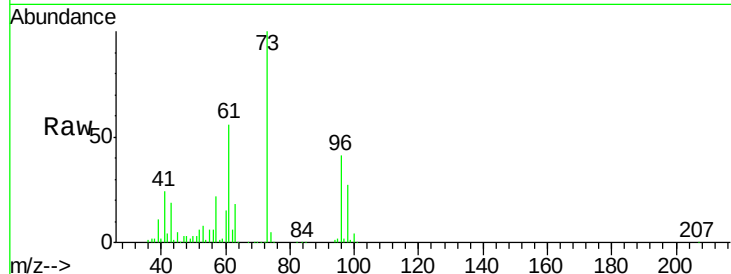
#19
Methvl tert-butvl Ether
Concen: 50.268 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 2000449
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

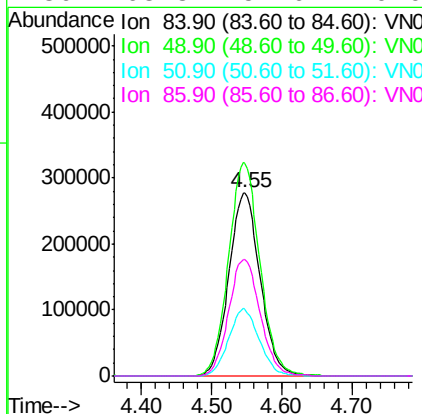
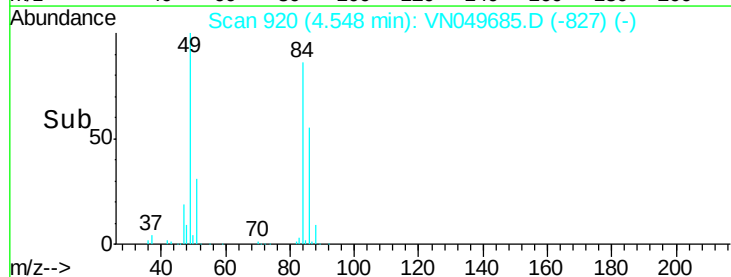
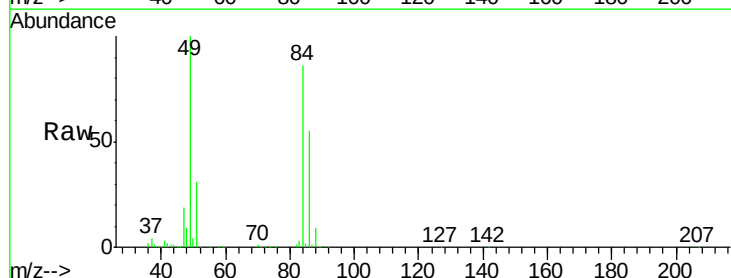
Manual Integrations
APPROVED

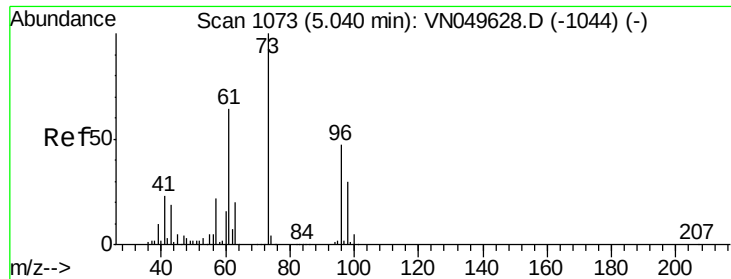
sam
7/5/2018 2:27:29 PM



#20
Methylene Chloride
Concen: 48.080 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 84 Resp: 859358
Ion Ratio Lower Upper
84 100
49 116.0 95.4 143.2
51 36.2 28.4 42.6
86 63.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 50.020 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

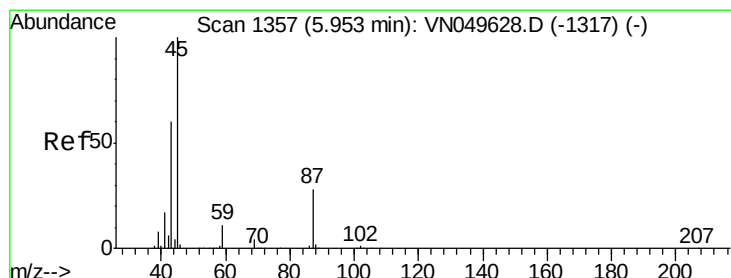
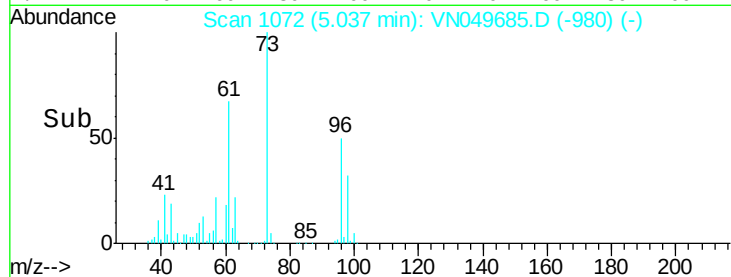
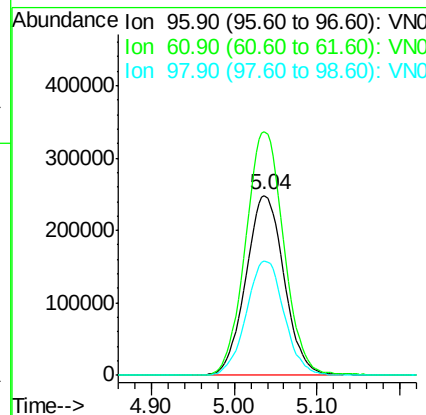
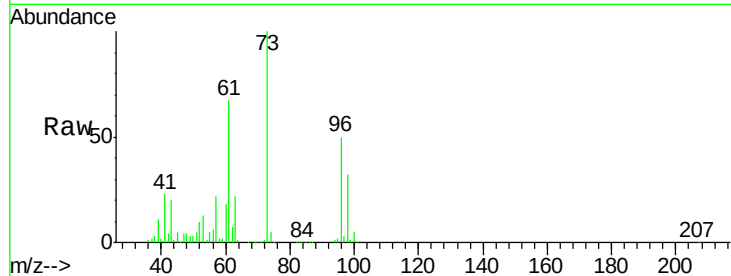
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	794701
Ion	Ratio	Lower	Upper
96	100		
61	135.4	109.0	163.6
98	63.8	51.1	76.7

Manual Integrations
APPROVED

sam
7/5/2018 2:27:29 PM



#22

Diisopropyl ether

Concen: 50.992 ug/l

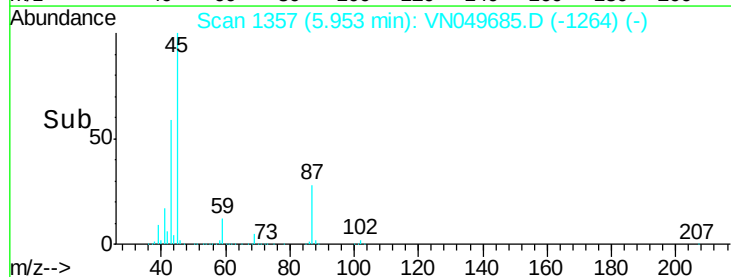
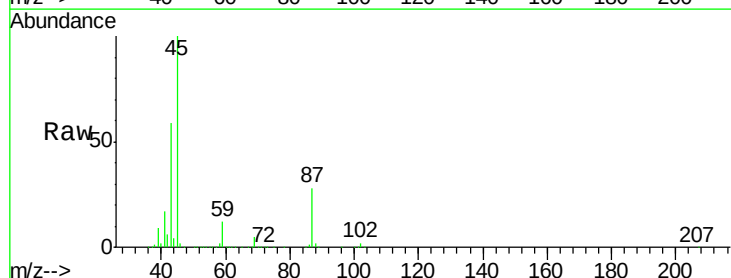
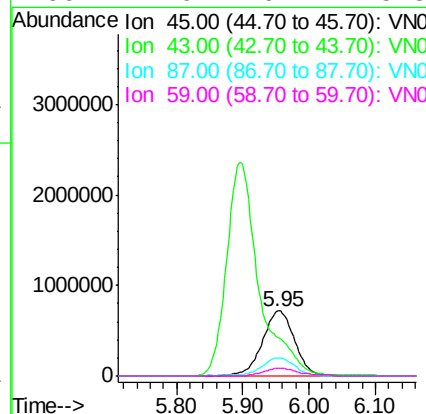
RT: 5.95 min Scan# 1357

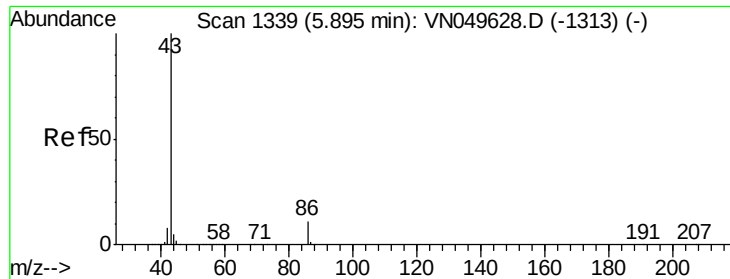
Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Tgt Ion:	45	Resp:	2446373
Ion	Ratio	Lower	Upper
45	100		
43	58.9	48.1	72.1
87	28.1	22.6	34.0
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 258.796 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 8051404

Ion Ratio Lower Upper

43 100

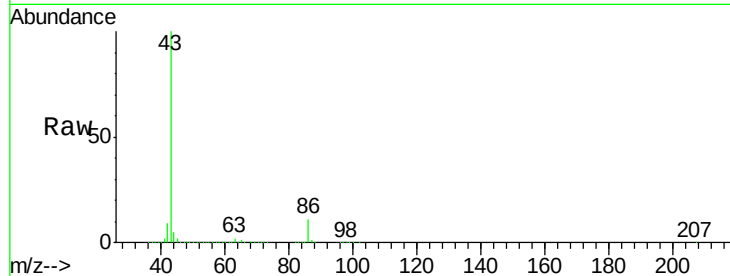
86 10.6 8.4 12.6

Manual Integrations

APPROVED

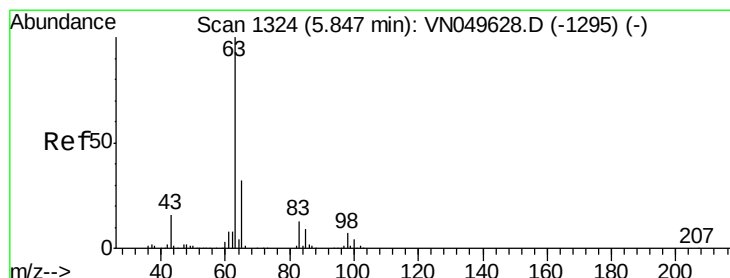
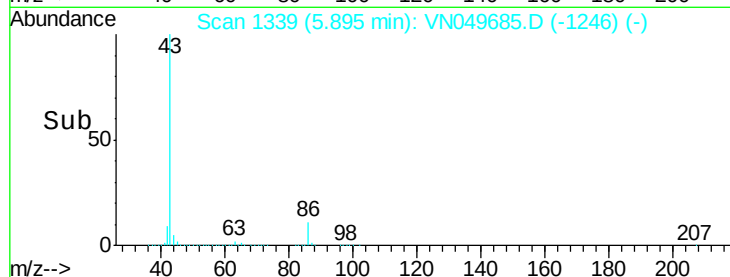
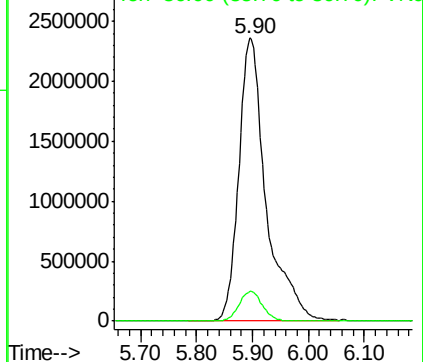
sam

7/5/2018 2:27:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.455 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

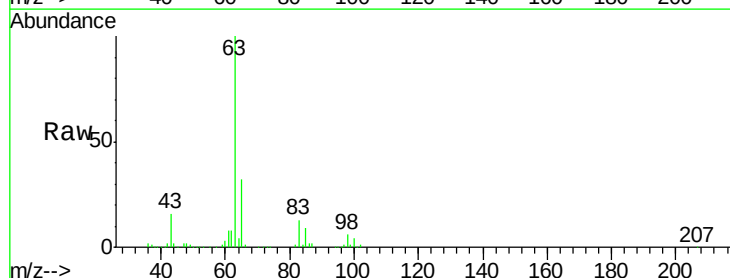
Tgt Ion: 63 Resp: 1464481

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

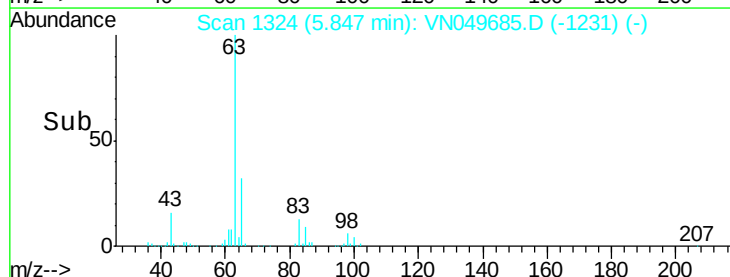
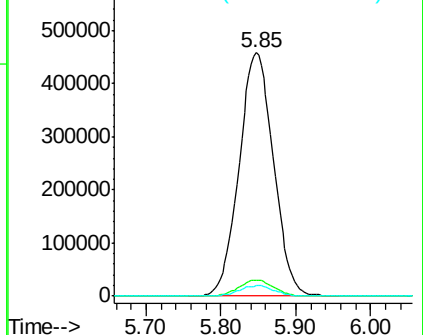
100 4.2 2.2 6.6

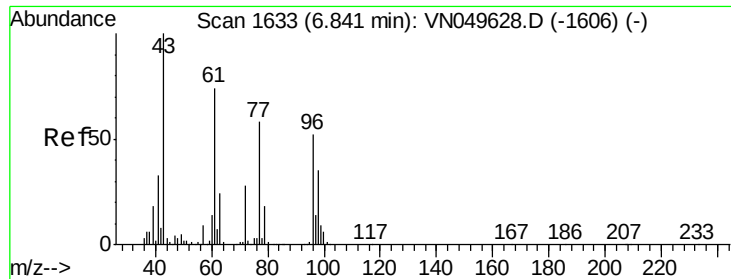


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





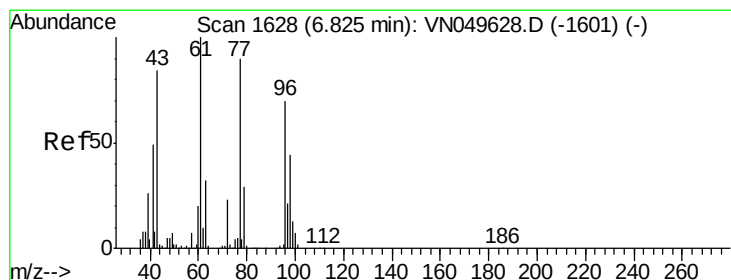
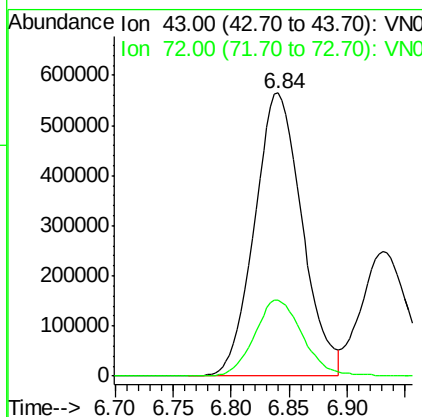
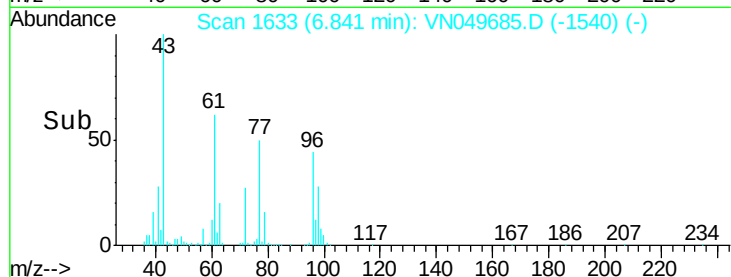
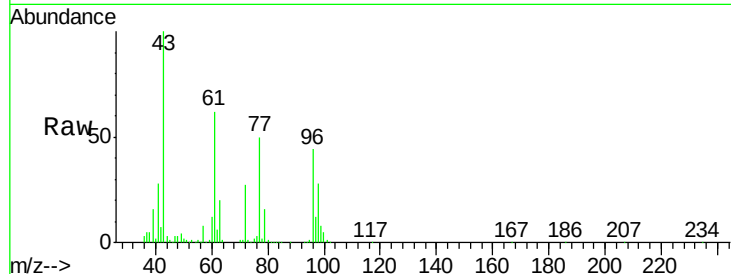
#25
2-Butanone
Concen: 278.689 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1605859
Ion Ratio Lower Upper
43 100
72 26.8 22.1 33.1

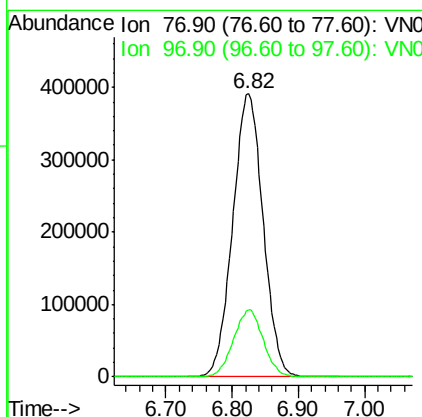
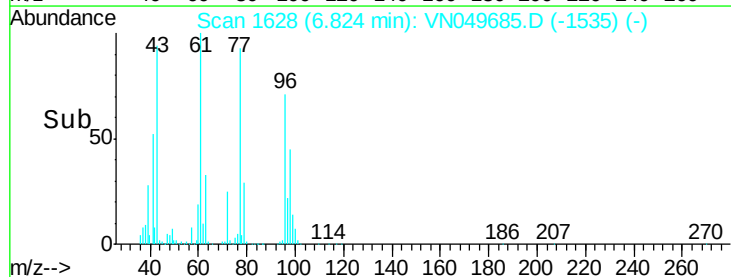
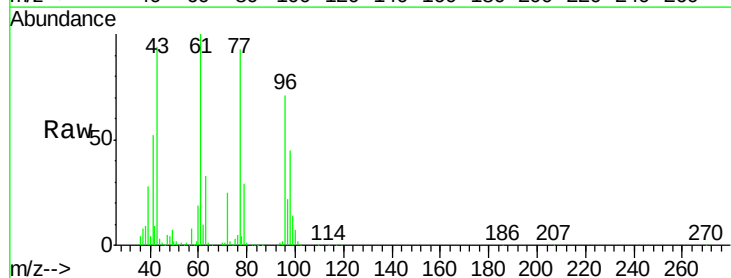
Manual Integrations
APPROVED

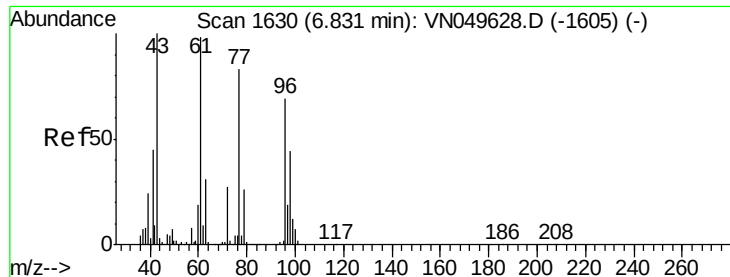
sam
7/5/2018 2:27:29 PM



#26
2,2-Dichloropropane
Concen: 49.533 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 77 Resp: 1243384
Ion Ratio Lower Upper
77 100
97 23.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.291 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

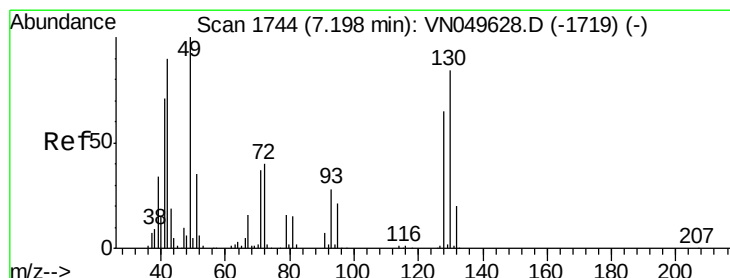
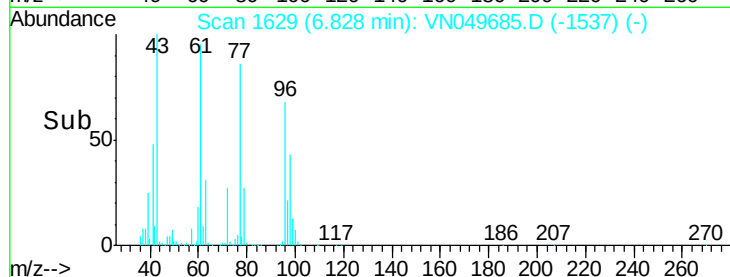
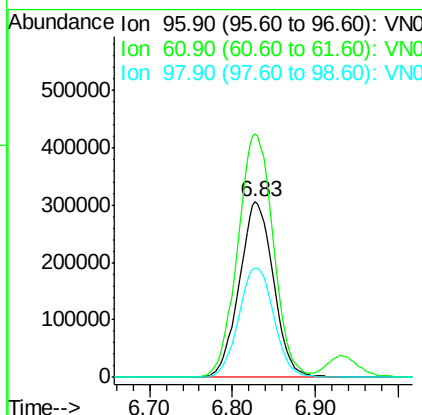
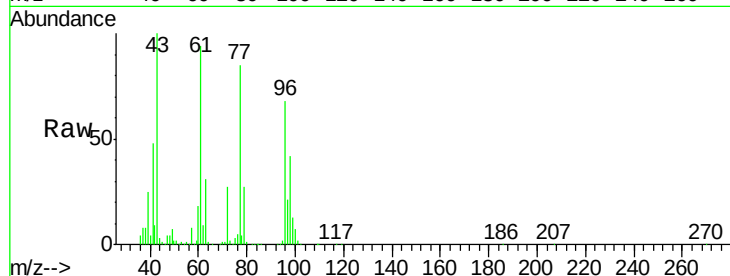
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	144.1	0.0	289.0		
98	64.4	0.0	130.2		

Manual Integrations
APPROVED

sam
7/5/2018 2:27:29 PM



#28

Bromochloromethane

Concen: 49.458 ug/l

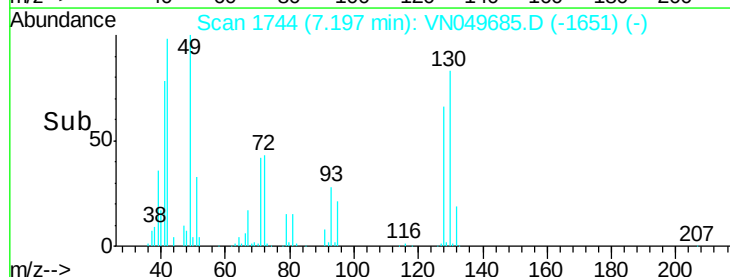
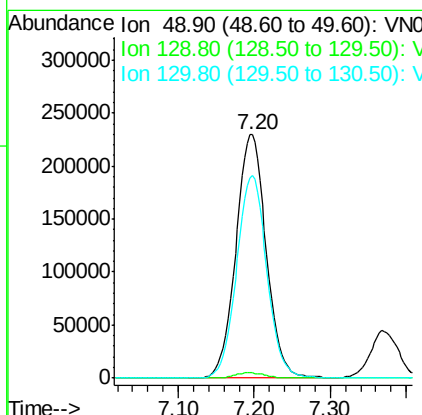
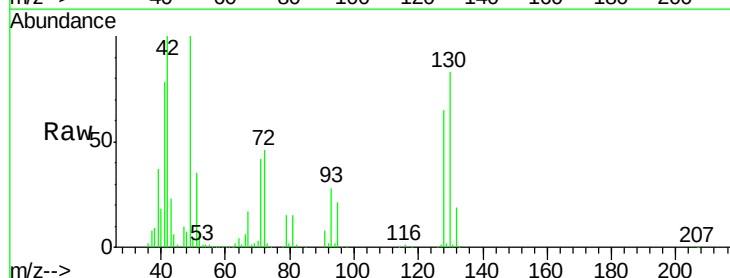
RT: 7.20 min Scan# 1744

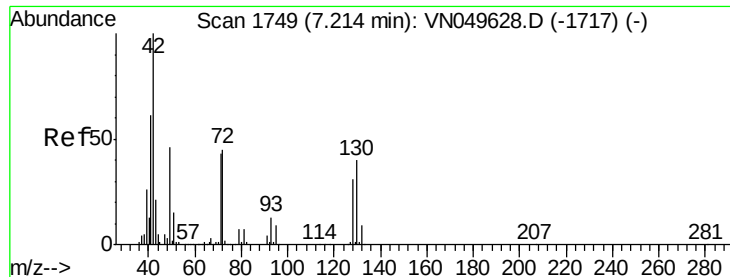
Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.2	0.0	4.2		
130	83.1	65.5	98.3		





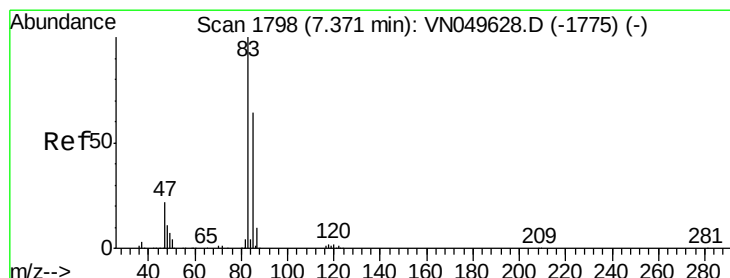
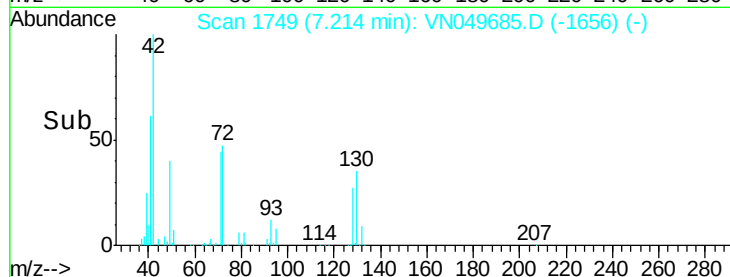
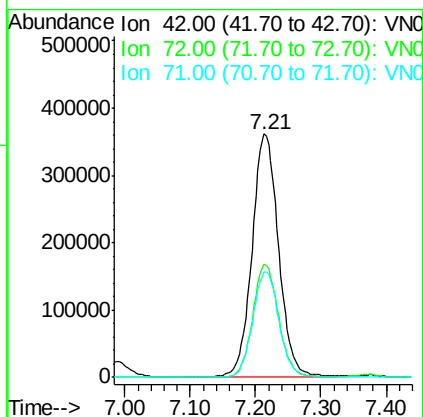
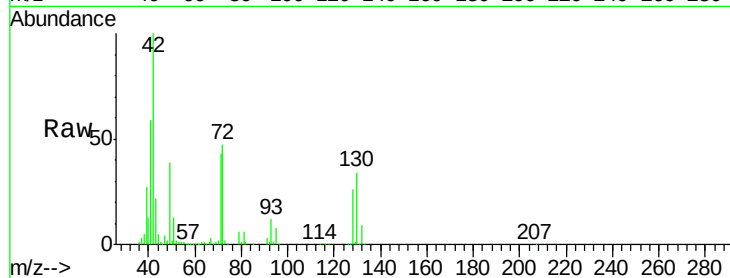
#29
Tetrahydrofuran
Concen: 277.061 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.6	53.4
71	43.0	34.0	51.0

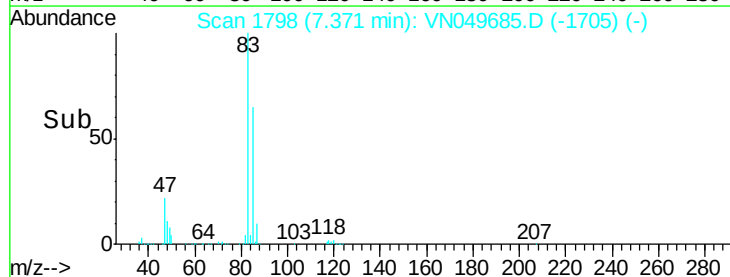
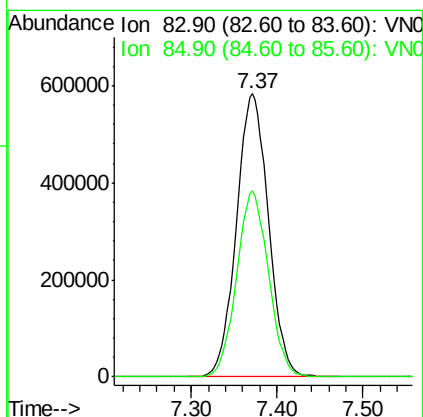
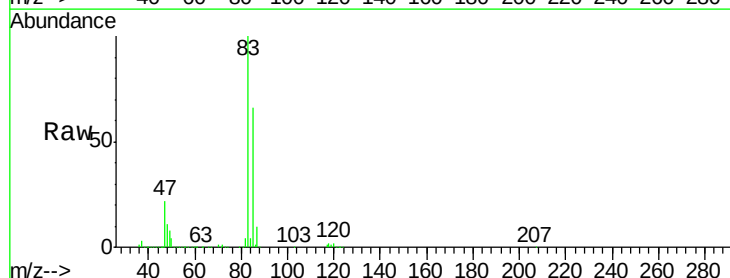
Manual Integrations
APPROVED

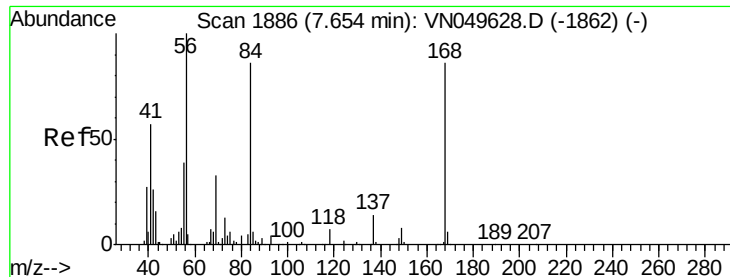
sam
7/5/2018 2:27:29 PM



#30
Chloroform
Concen: 48.938 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2





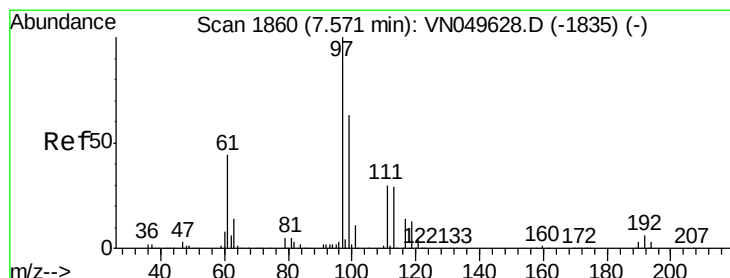
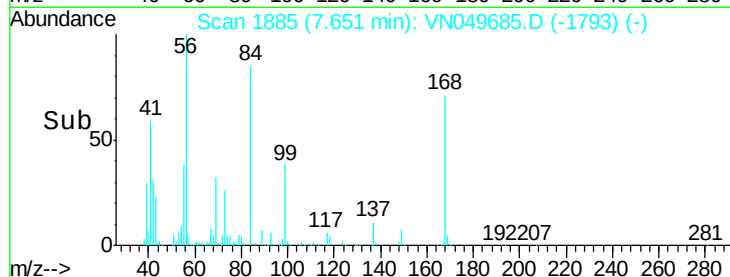
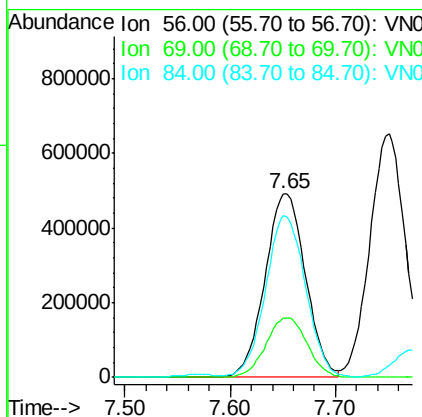
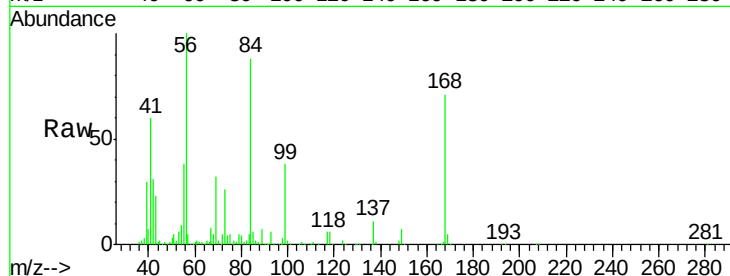
#31
Cyclohexane
Concen: 50.550 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1309437
Ion Ratio Lower Upper
56 100
69 32.0 26.6 40.0
84 86.9 69.0 103.6

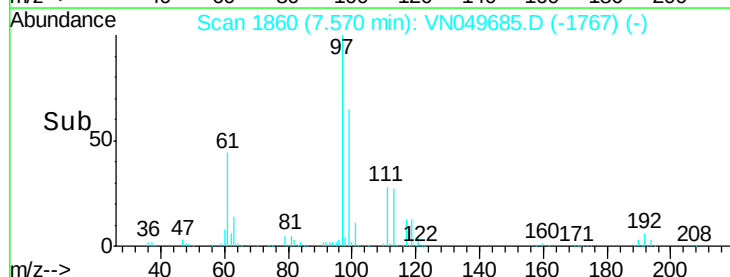
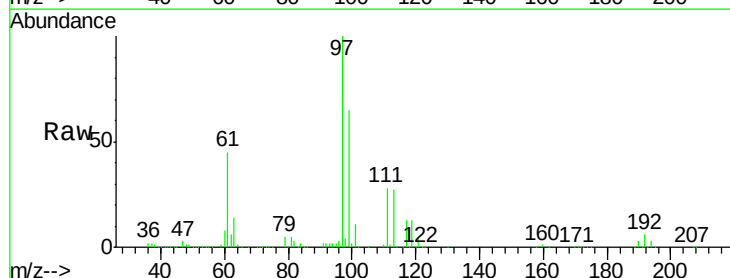
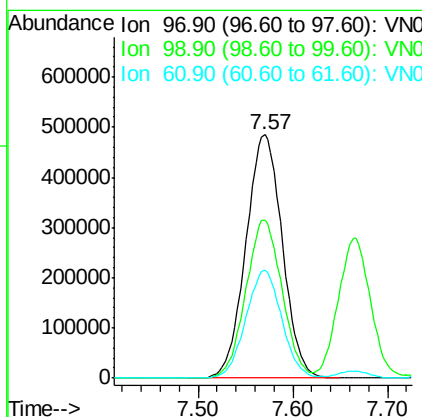
Manual Integrations
APPROVED

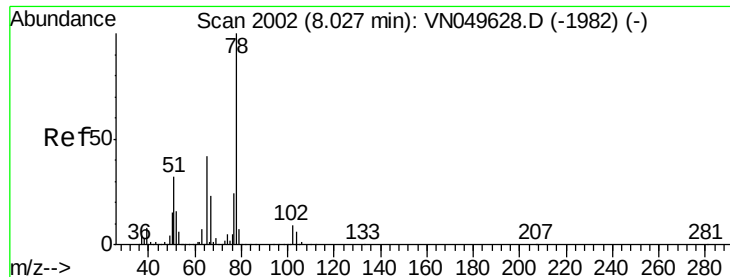
sam
7/5/2018 2:27:29 PM



#32
1,1,1-Trichloroethane
Concen: 49.673 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 97 Resp: 1295667
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 43.8 35.5 53.3





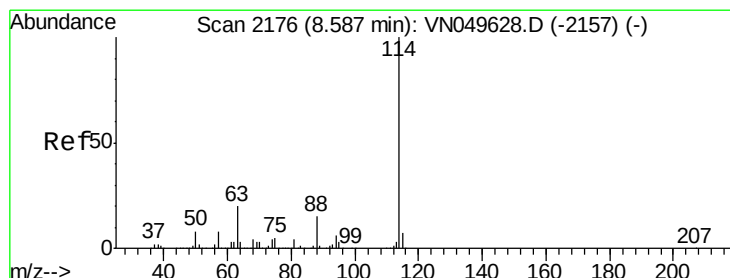
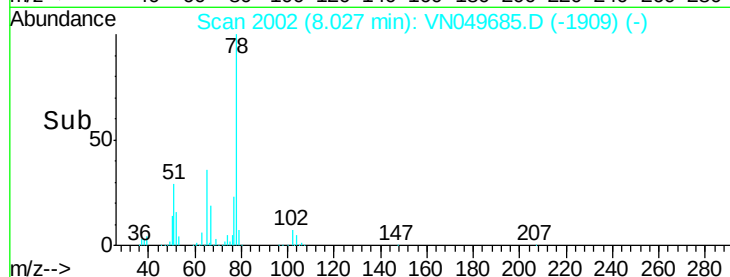
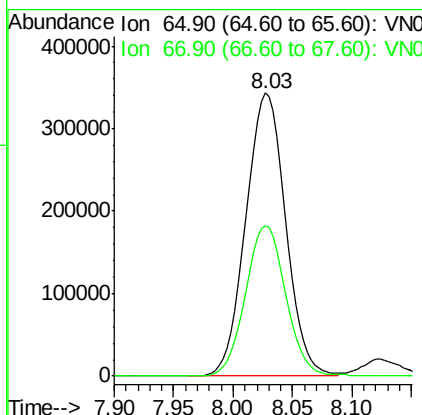
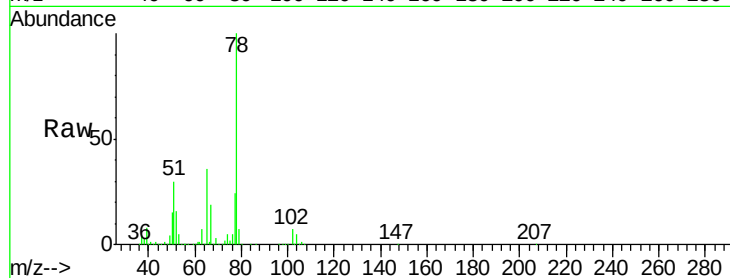
#33
 1,2-Dichloroethane-d4
 Concen: 45.948 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	797528		
67	53.7	0.0	107.2	

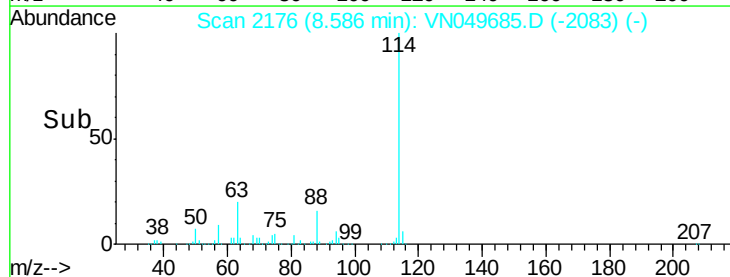
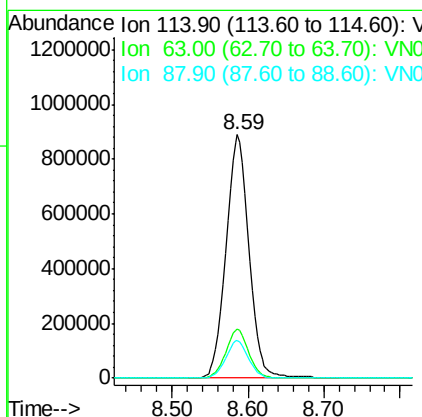
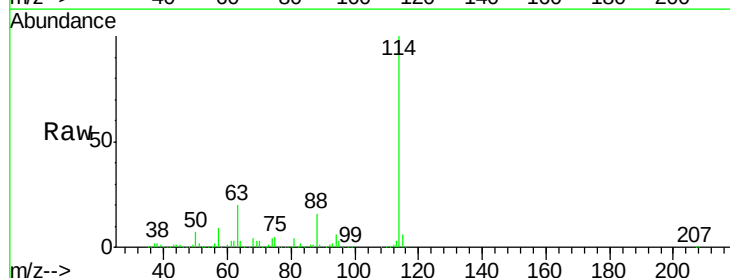
Manual Integrations
 APPROVED

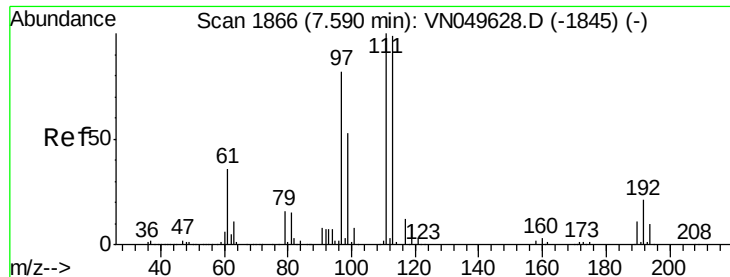
sam
 7/5/2018 2:27:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1871743		
63	20.2	0.0	39.8	
88	15.7	0.0	30.6	





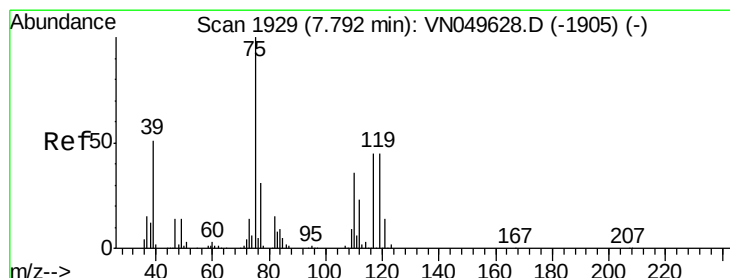
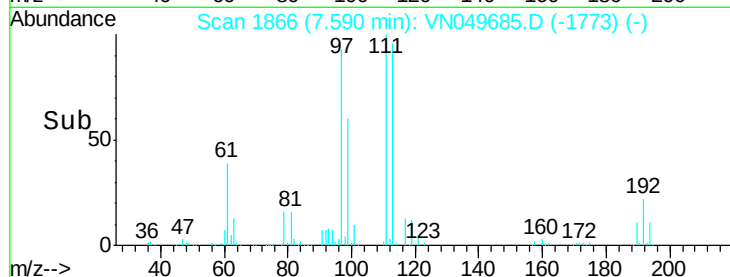
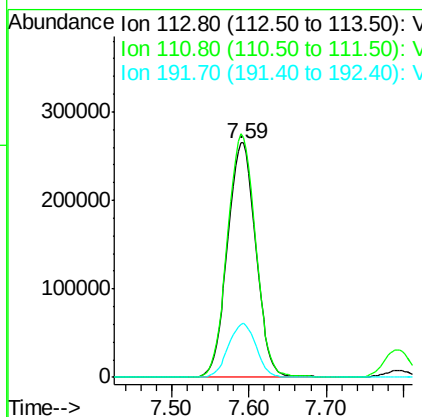
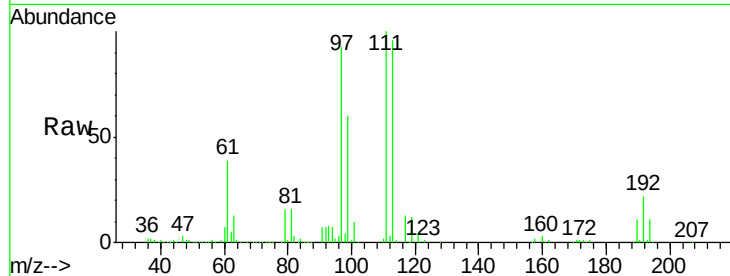
#35
 Dibromofluoromethane
 Concen: 47.998 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.8
192	22.5	17.8	26.6

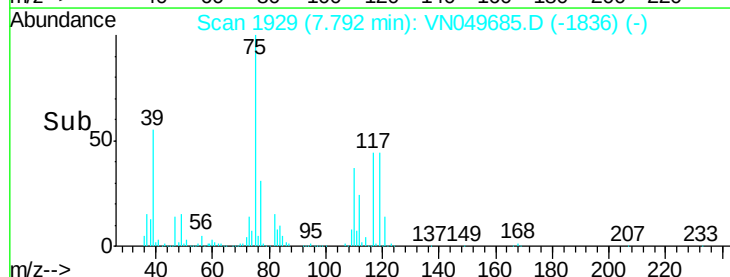
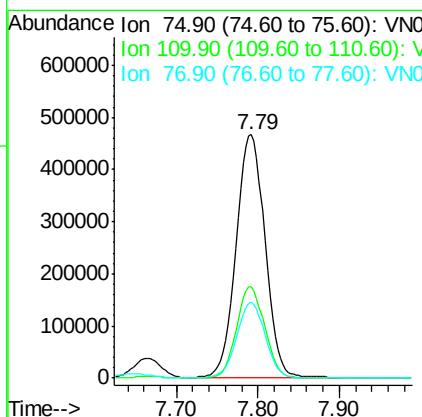
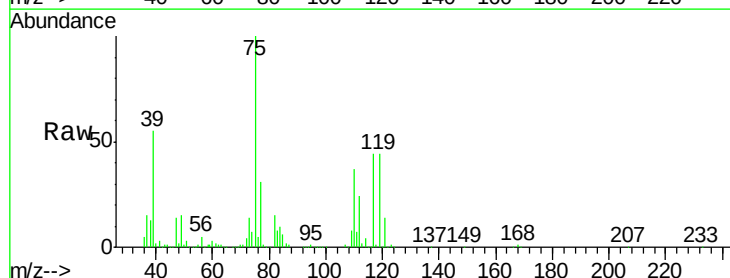
Manual Integrations
 APPROVED

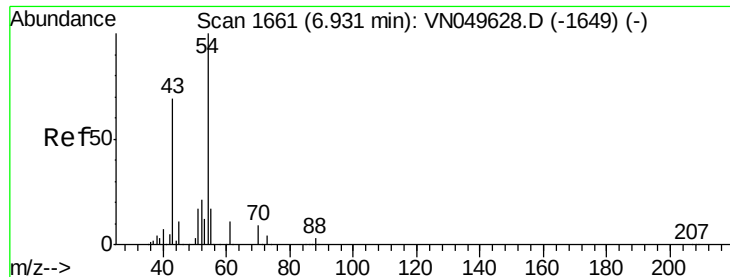
sam
 7/5/2018 2:27:29 PM



#36
 1,1-Dichloropropene
 Concen: 54.360 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.4
77	30.8	24.9	37.3





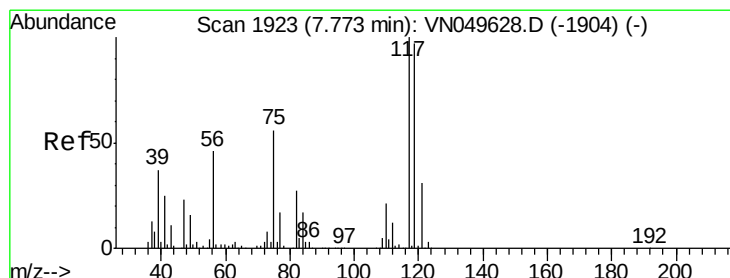
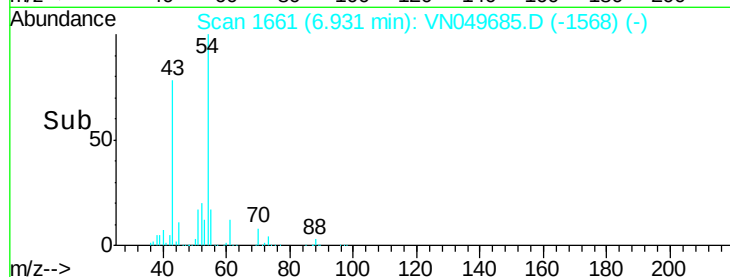
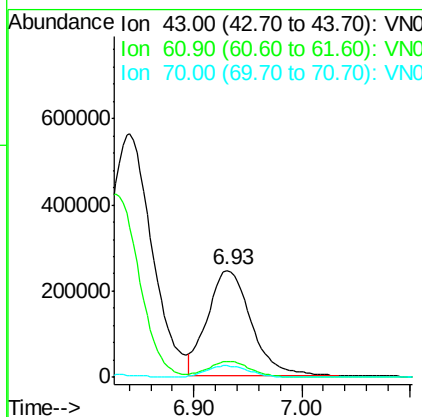
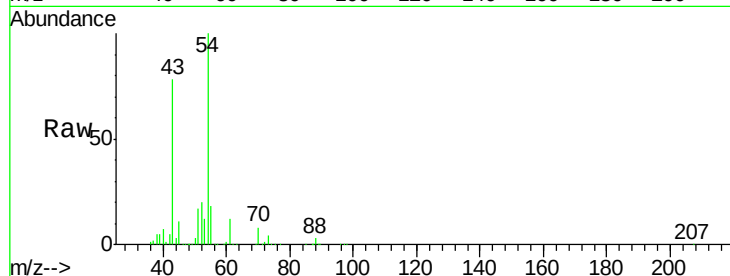
#37
Ethyl Acetate
Concen: 56.380 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	692491		
Ratio	100	14.3	10.9
Lower		11.7	8.4
Upper		17.5	12.6

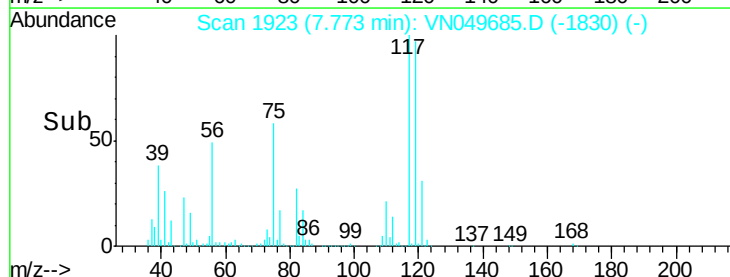
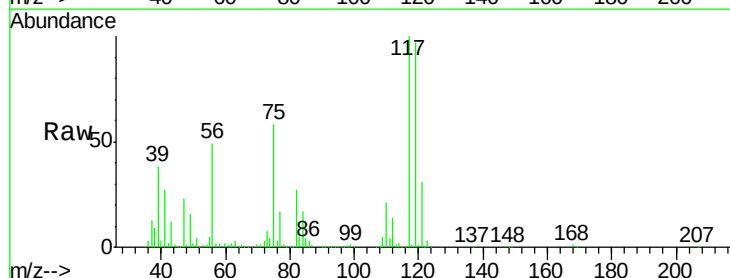
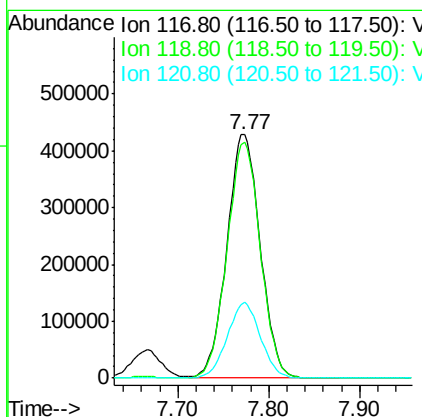
Manual Integrations
APPROVED

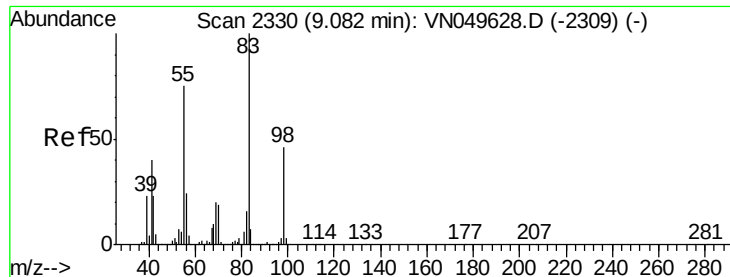
sam
7/5/2018 2:27:29 PM



#38
Carbon Tetrachloride
Concen: 53.119 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion	117	119	121
Resp	1088127		
Ratio	100	96.9	31.1
Lower		77.2	25.0
Upper		115.8	37.6





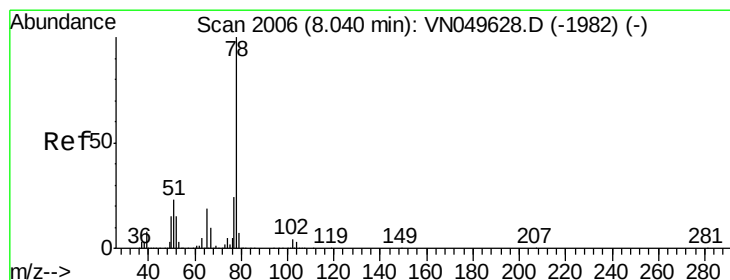
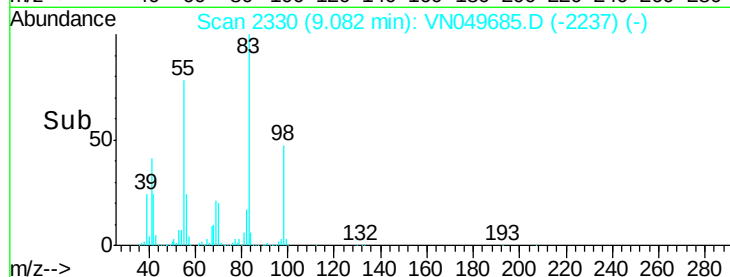
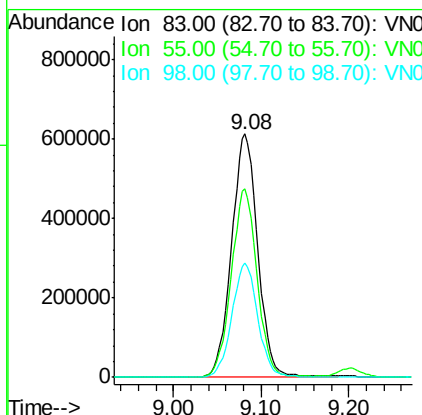
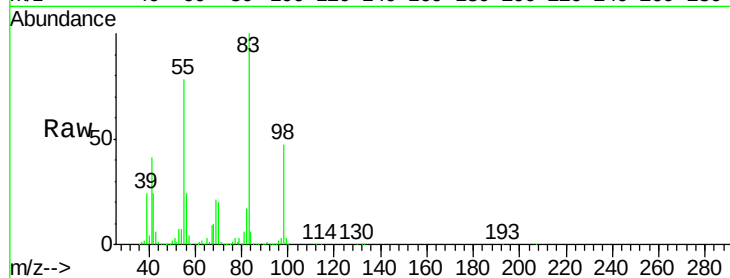
#39
Methylvlcyclohexane
Concen: 55.205 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1274605
Ion Ratio Lower Upper
83 100
55 77.6 59.7 89.5
98 47.0 36.5 54.7

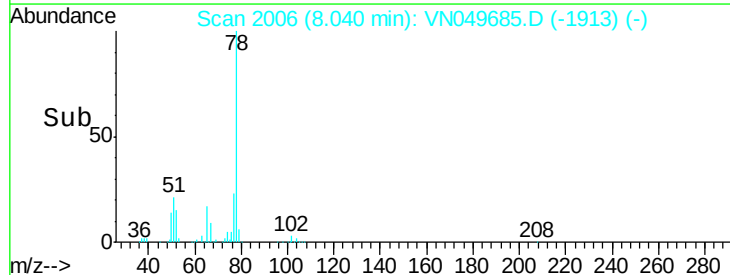
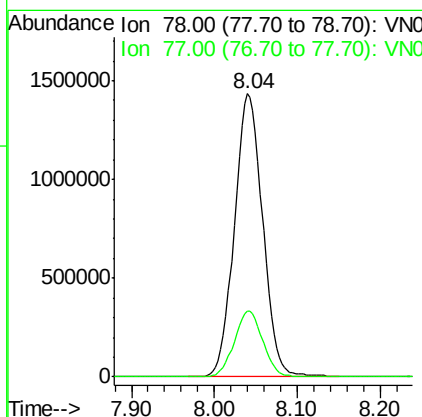
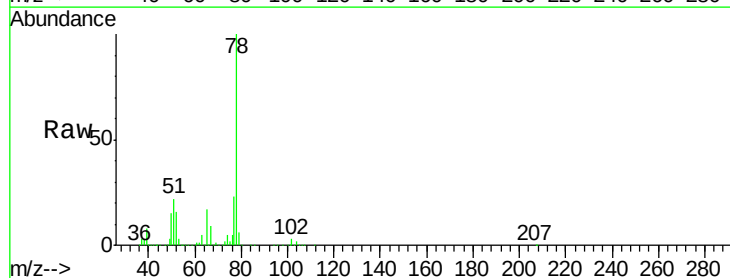
Manual Integrations
APPROVED

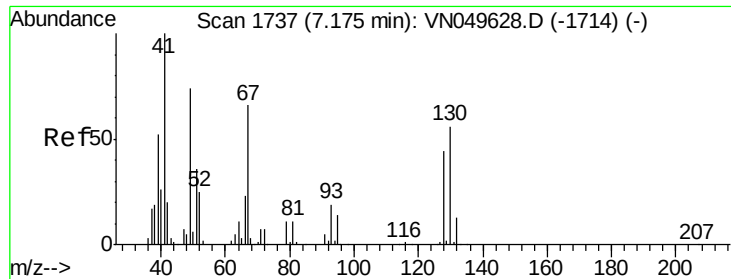
sam
7/5/2018 2:27:29 PM



#40
Benzene
Concen: 52.930 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 78 Resp: 3403438
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





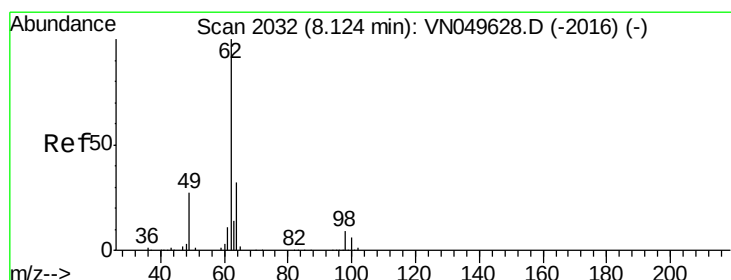
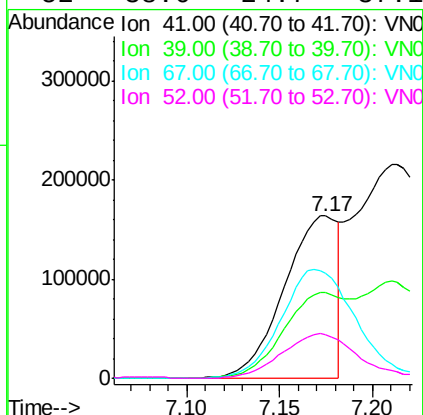
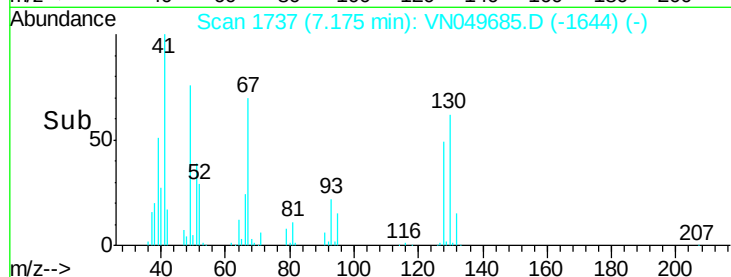
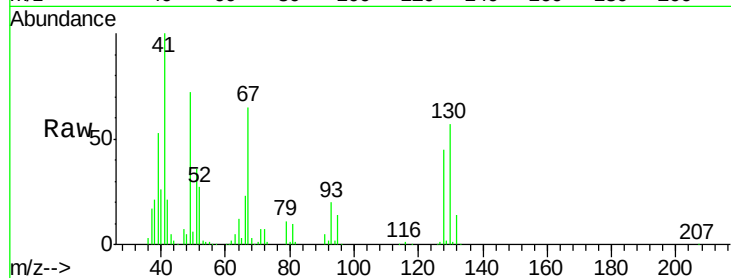
#41
Methacrylonitrile
Concen: 47.155 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.3	45.4	68.2
67	95.1	65.4	98.0
52	38.6	24.7	37.1#

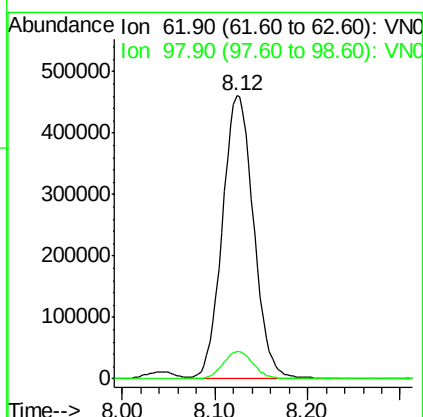
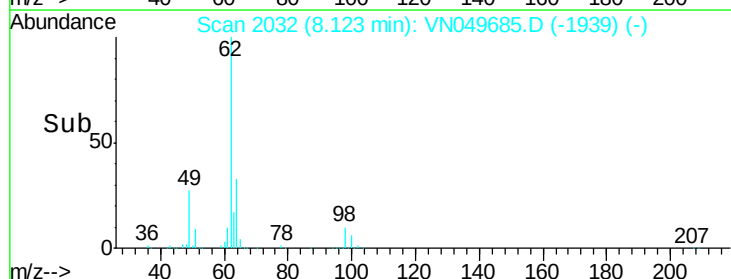
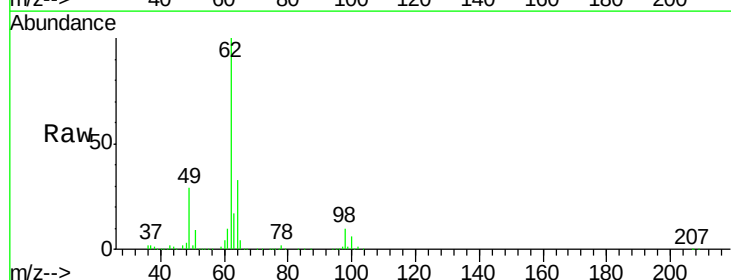
Manual Integrations
APPROVED

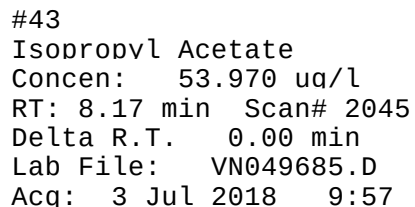
sam
7/5/2018 2:27:29 PM



#42
1,2-Dichloroethane
Concen: 52.259 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0

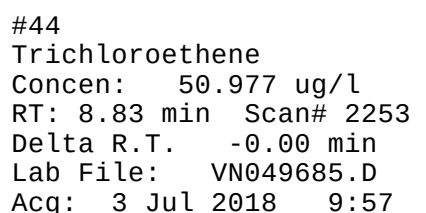
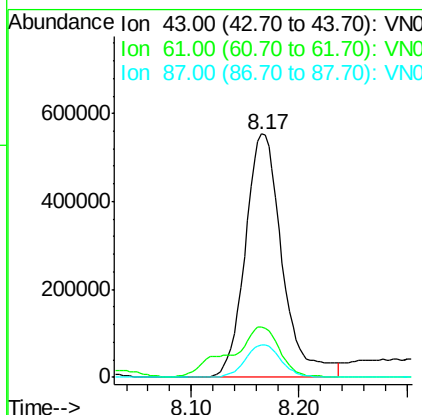
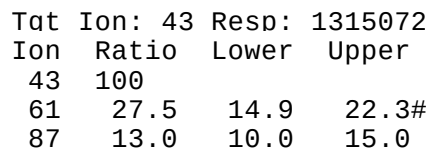




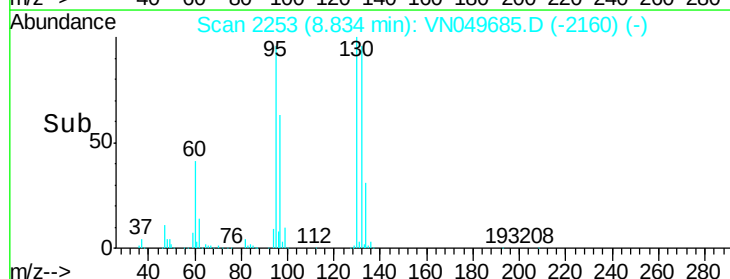
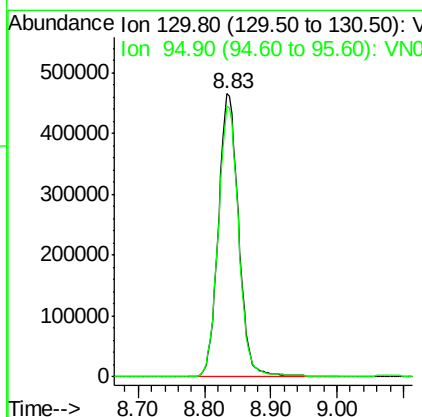
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

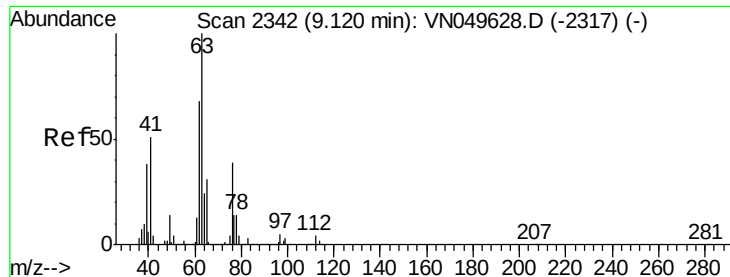
Manual Integrations

sam
7/5/2018 2:27:29 PM



Tgt	Ion:130	Resp:	988537
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	192.8





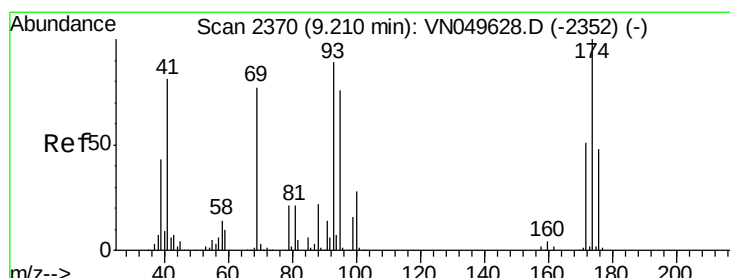
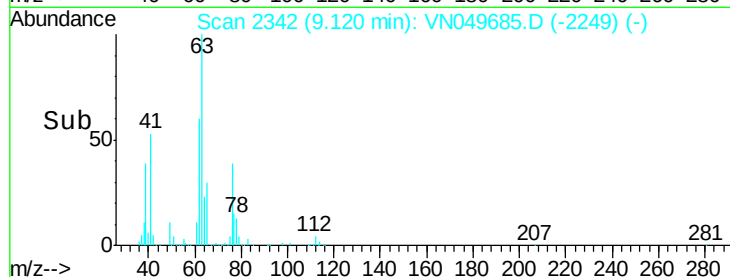
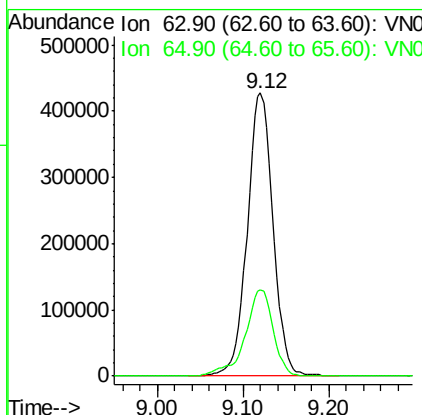
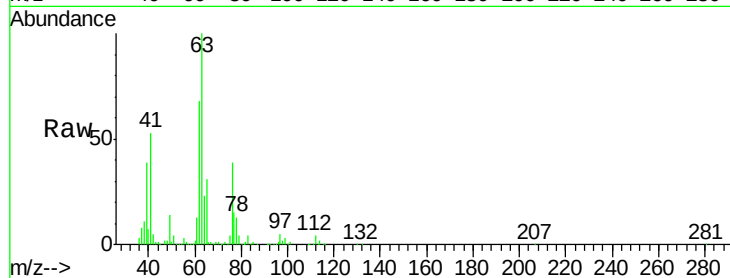
#45
 1,2-Dichloropropane
 Concen: 53.595 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 890358
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1

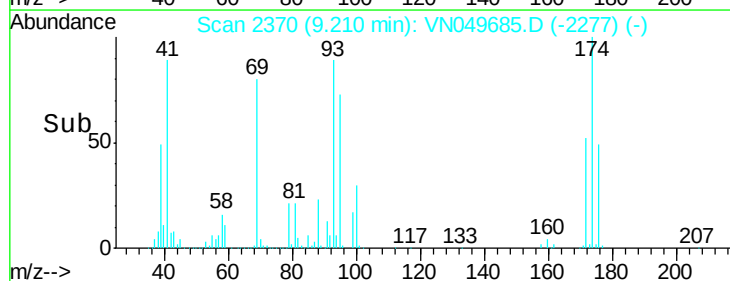
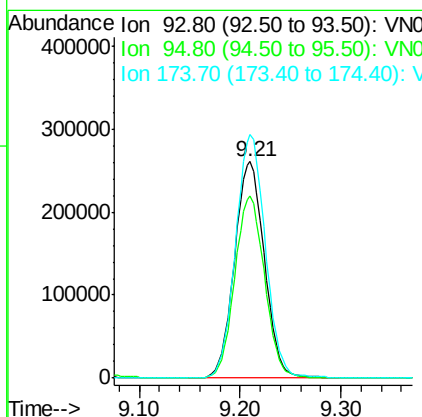
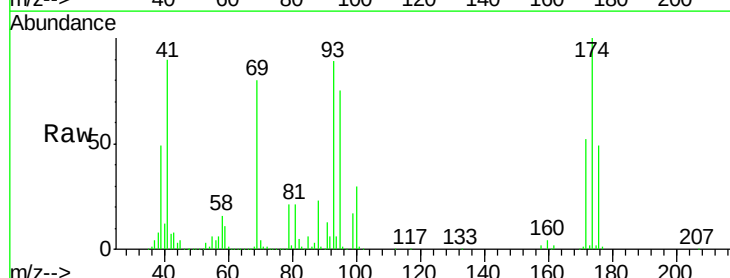
Manual Integrations
 APPROVED

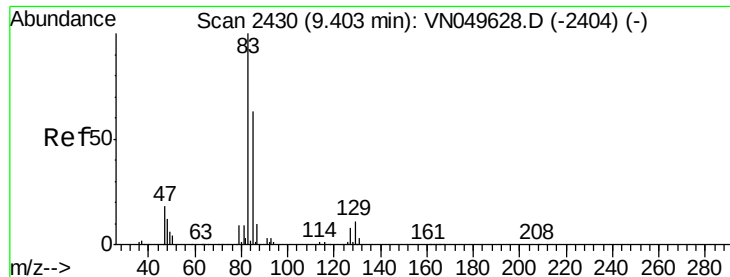
sam
 7/5/2018 2:27:29 PM



#46
 Dibromomethane
 Concen: 53.398 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion: 93 Resp: 536670
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.9 101.9
 174 112.1 89.4 134.0





#47

Bromodichloromethane

Concen: 53.848 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1152068

Ion Ratio Lower Upper

83 100

85 63.8 50.5 75.7

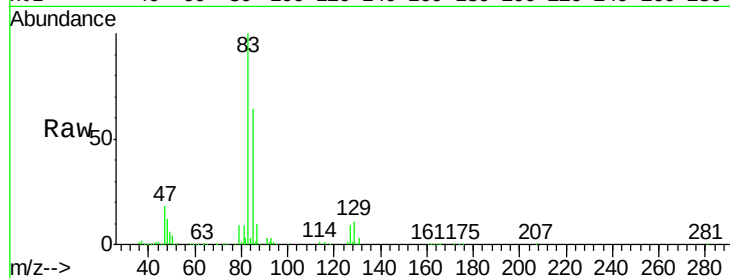
127 8.7 6.8 10.2

Manual Integrations

APPROVED

sam

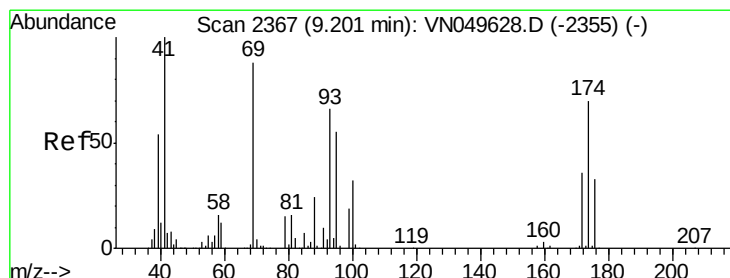
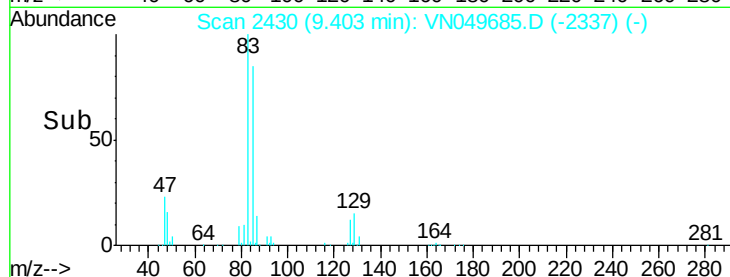
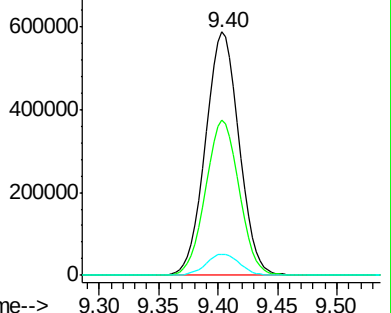
7/5/2018 2:27:29 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049685.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049685.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049685.D (-2337) (-)



#48

Methyl methacrylate

Concen: 58.581 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

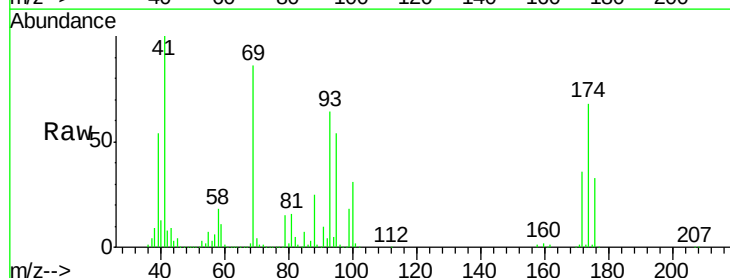
Tgt Ion: 41 Resp: 639388

Ion Ratio Lower Upper

41 100

69 87.9 71.5 107.3

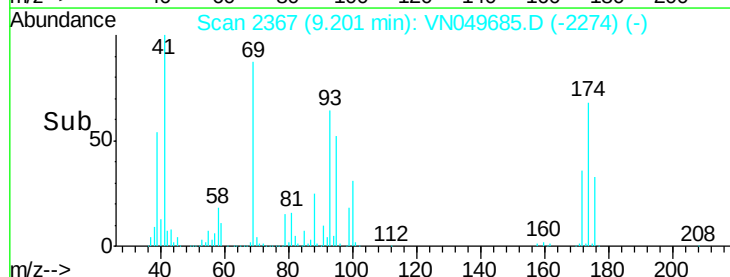
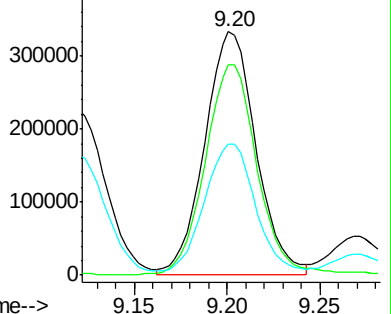
39 54.5 44.7 67.1

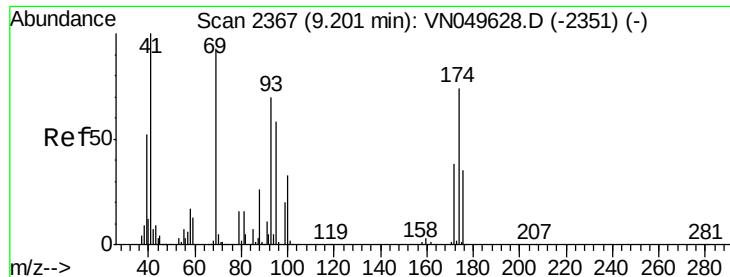


Abundance Ion 41.00 (40.70 to 41.70): VN049685.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049685.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049685.D (-2274) (-)





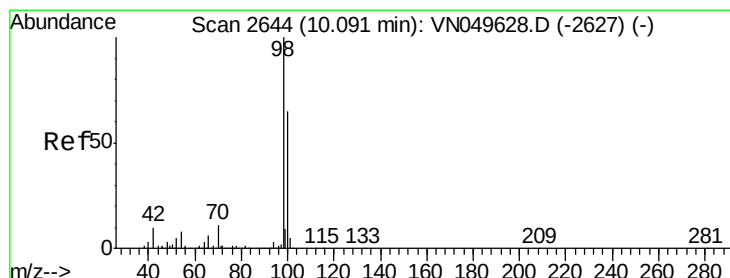
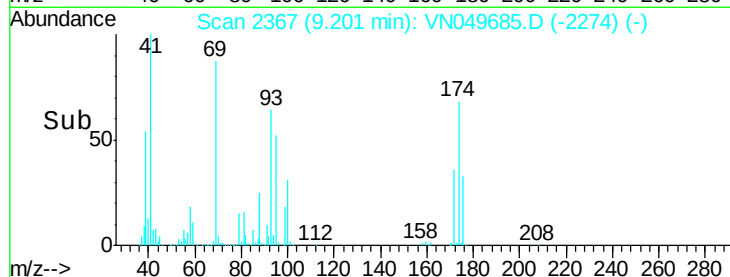
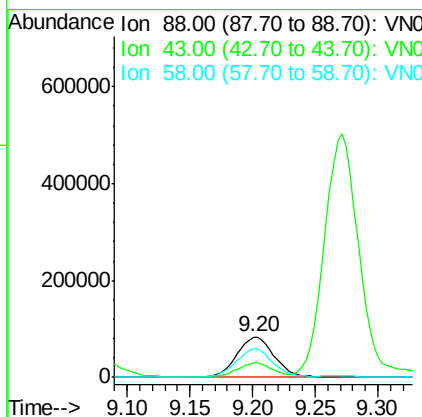
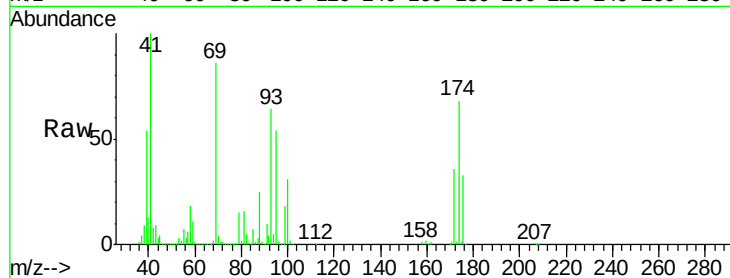
#49
1,4-Dioxane
Concen: 1172.514 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.1	37.7
58	70.3	52.5	78.7

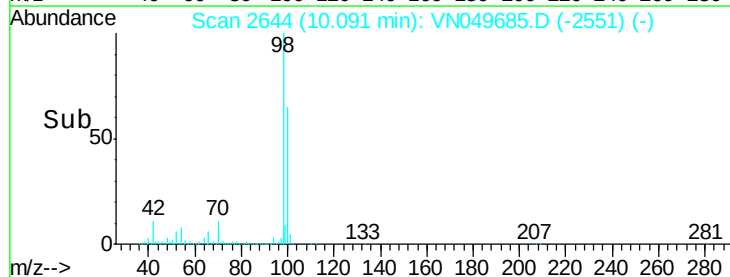
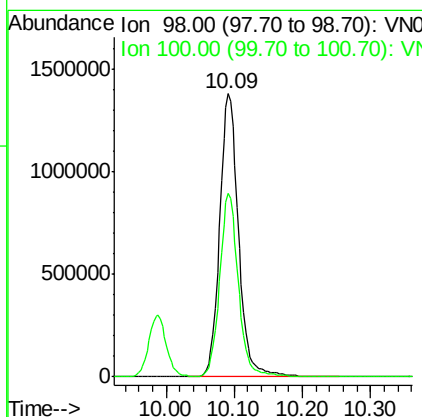
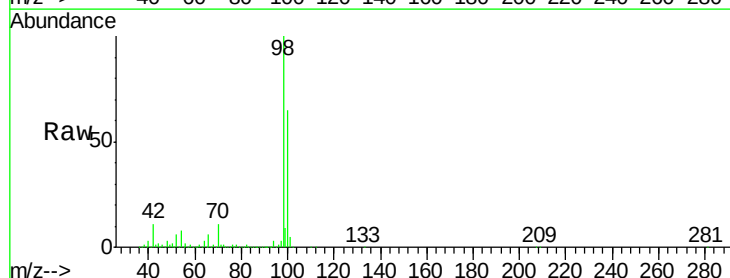
Manual Integrations
APPROVED

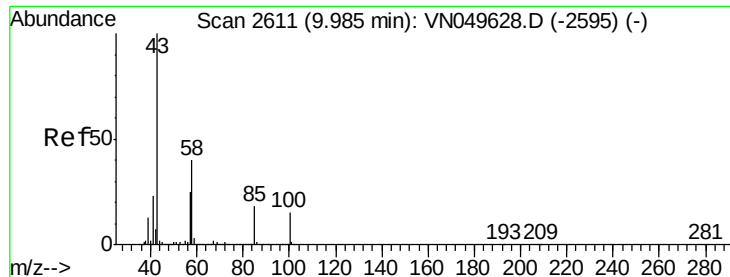
sam
7/5/2018 2:27:29 PM



#50
Toluene-d8
Concen: 48.147 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





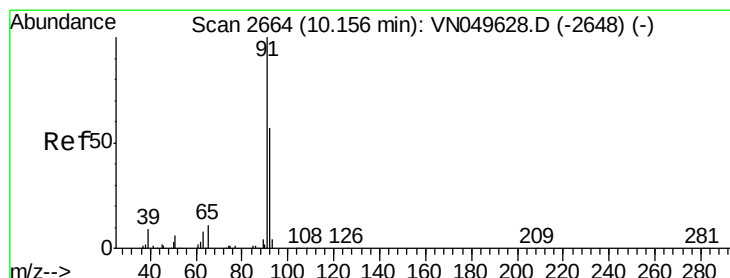
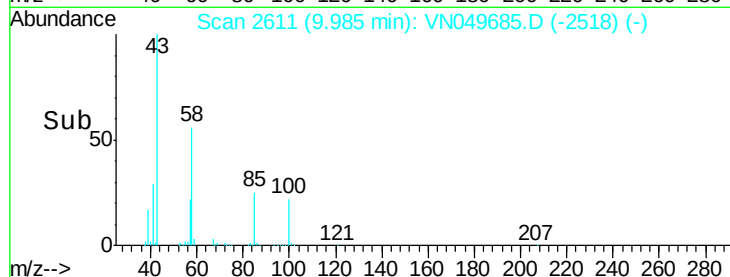
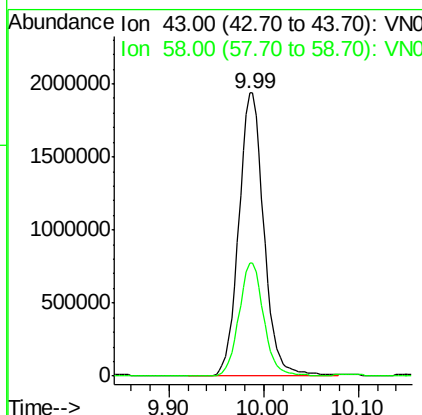
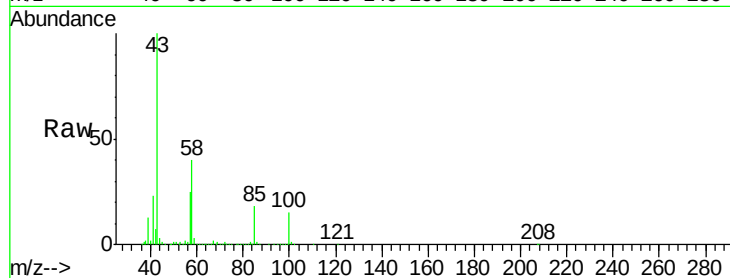
#51
4-Methyl-2-Pentanone
Concen: 295.817 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 3562340
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.8

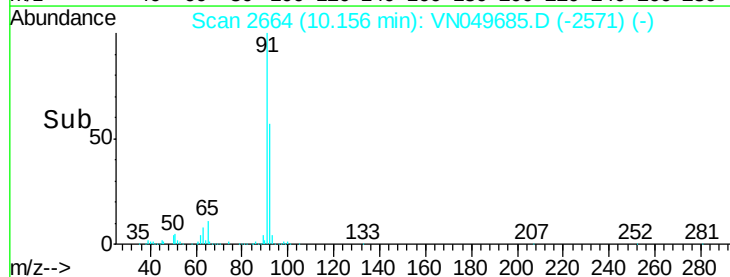
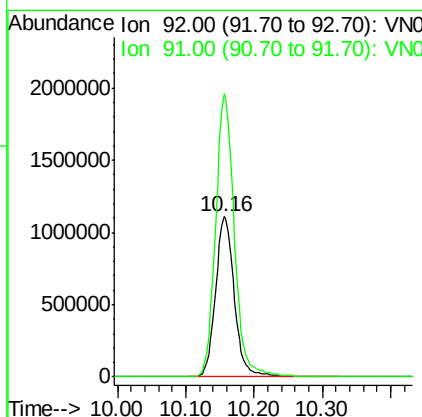
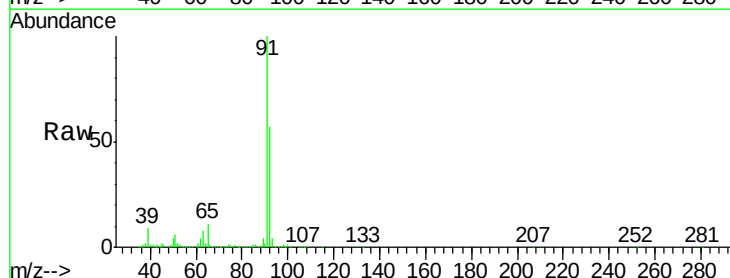
Manual Integrations
APPROVED

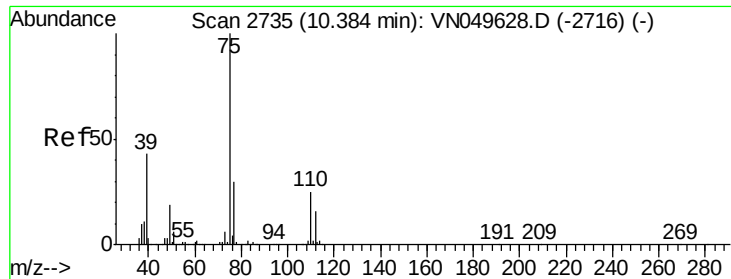
sam
7/5/2018 2:27:29 PM



#52
Toluene
Concen: 54.517 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 92 Resp: 2117801
Ion Ratio Lower Upper
92 100
91 177.2 140.1 210.1





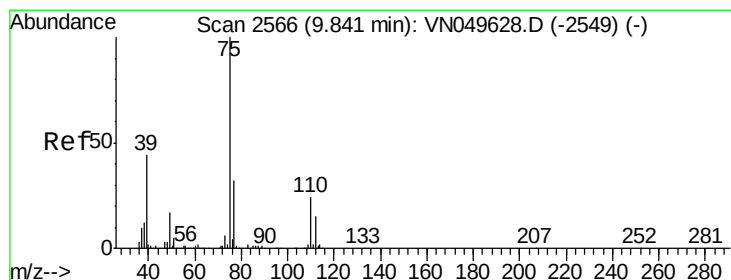
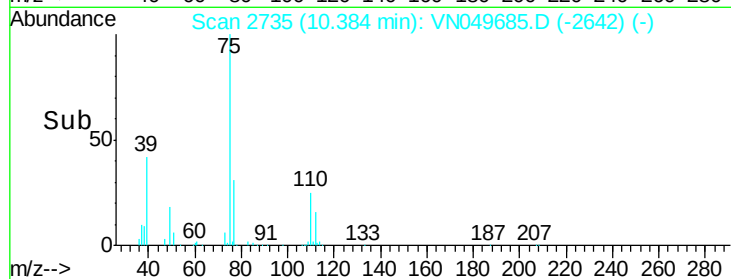
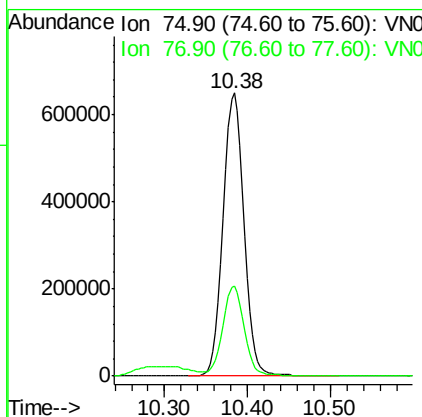
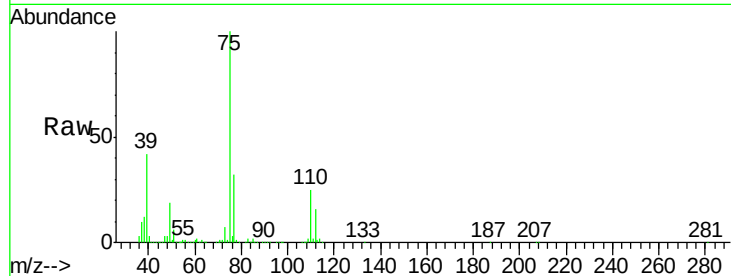
#53
t-1,3-Dichloropropene
Concen: 55.271 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 1132293
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8

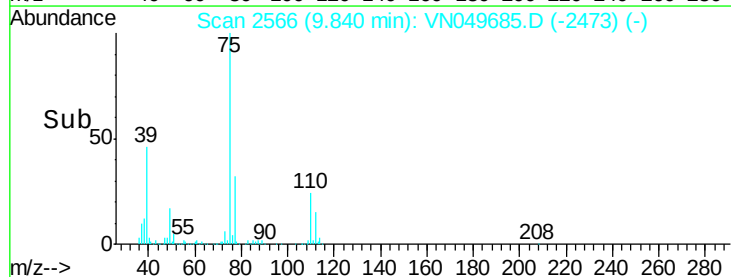
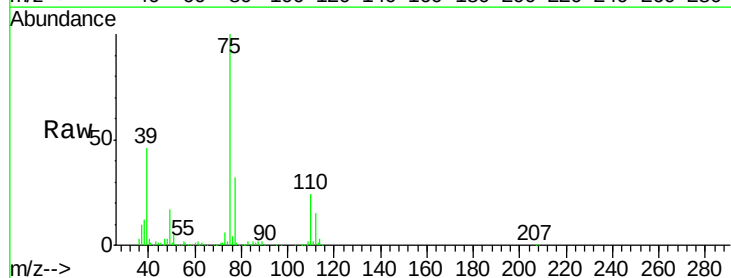
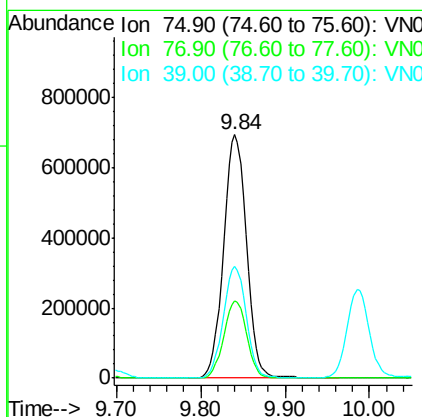
Manual Integrations
APPROVED

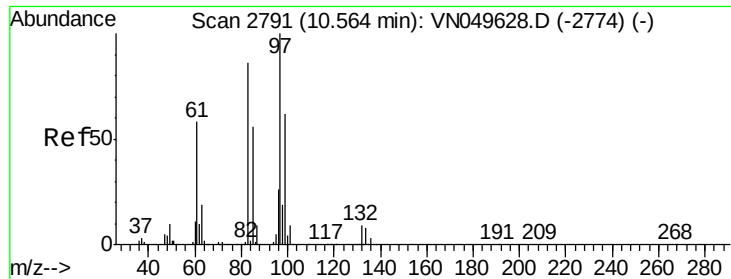
sam
7/5/2018 2:27:29 PM



#54
cis-1,3-Dichloropropene
Concen: 54.731 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 75 Resp: 1310440
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
39 45.7 35.5 53.3





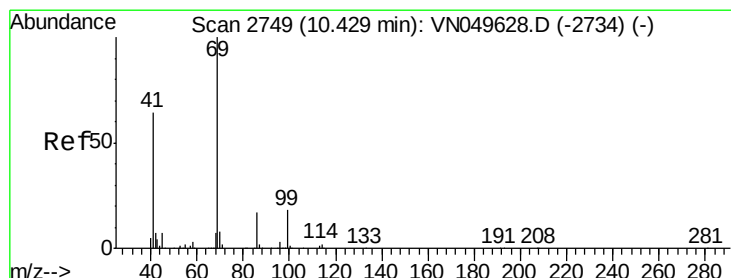
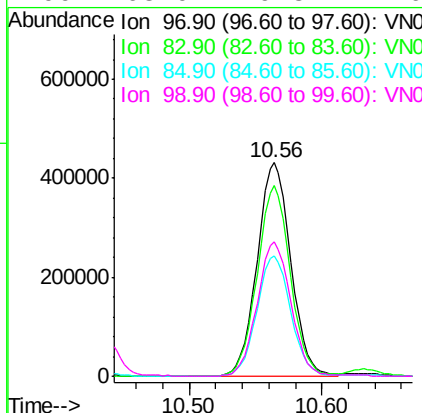
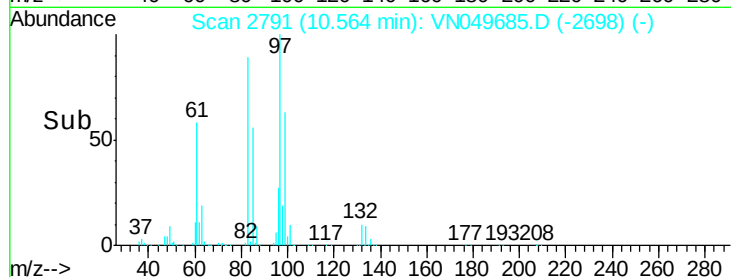
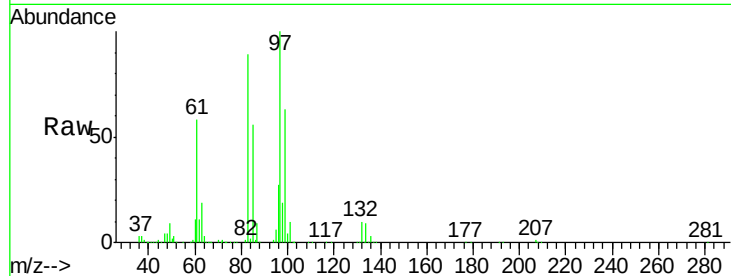
#55
 1,1,2-Trichloroethane
 Concen: 52.774 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		763338		
83	89.2	69.0	103.6		
85	56.3	44.9	67.3		
99	63.0	49.8	74.6		

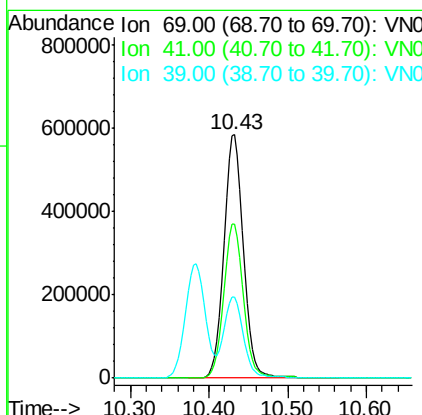
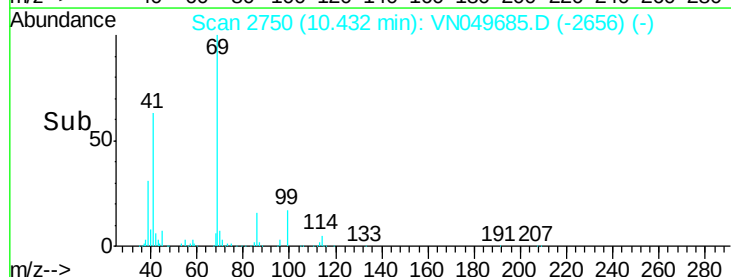
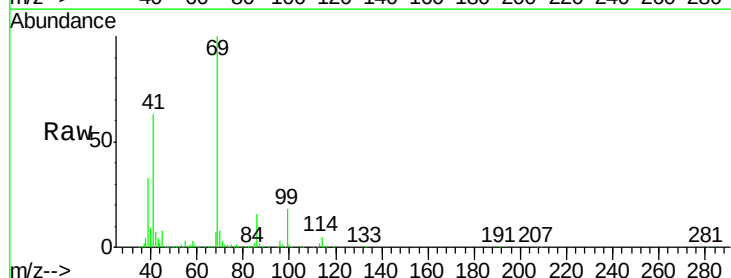
Manual Integrations
 APPROVED

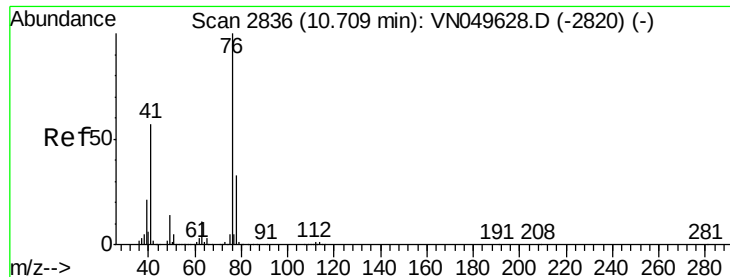
sam
 7/5/2018 2:27:29 PM



#56
 Ethyl methacrylate
 Concen: 58.696 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		995163		
41	63.3	51.6	77.4		
39	32.9	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 54.793 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1285122

Ion Ratio Lower Upper

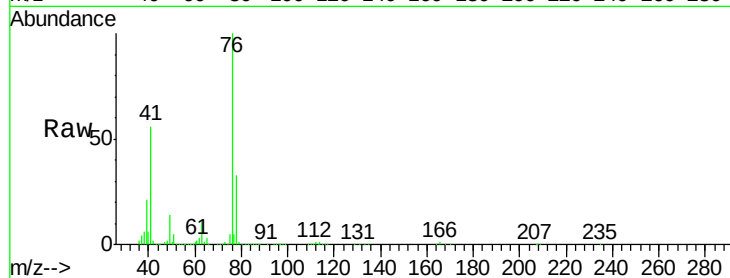
76 100

78 32.6 25.8 38.8

Manual Integrations
APPROVED

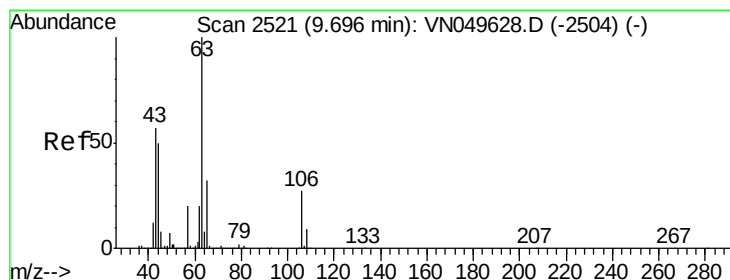
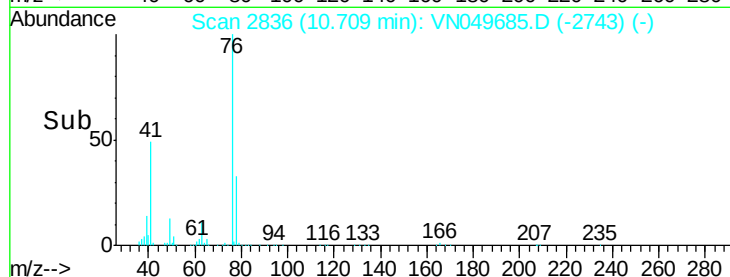
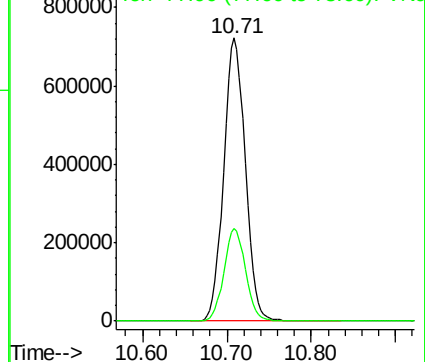
sam

7/5/2018 2:27:29 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 263.455 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049685.D

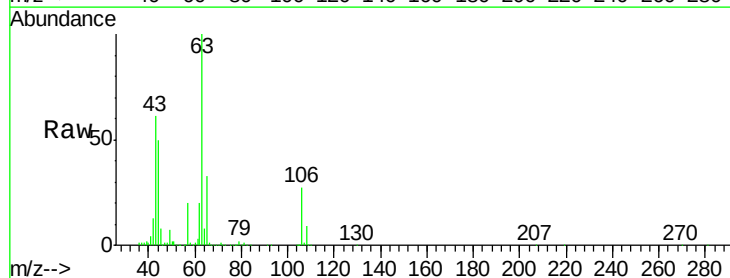
Acq: 3 Jul 2018 9:57

Tgt Ion: 63 Resp: 2333383

Ion Ratio Lower Upper

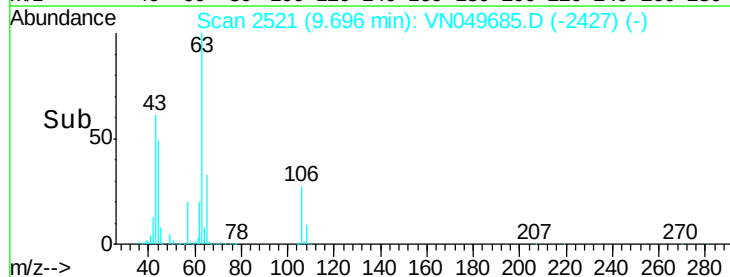
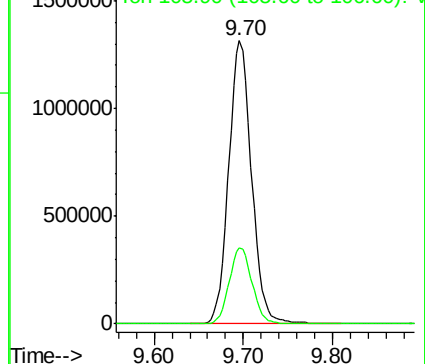
63 100

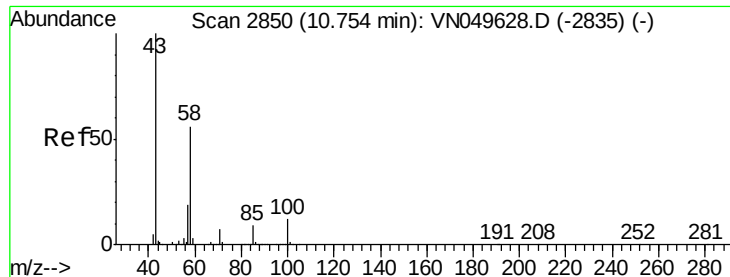
106 27.1 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





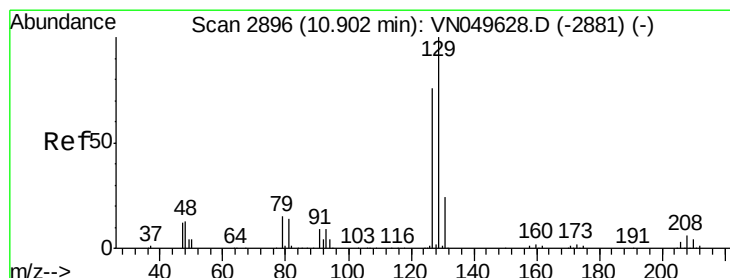
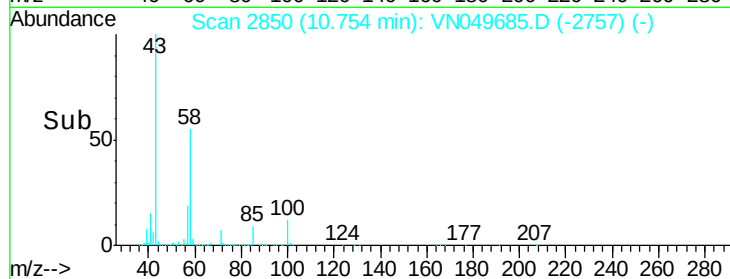
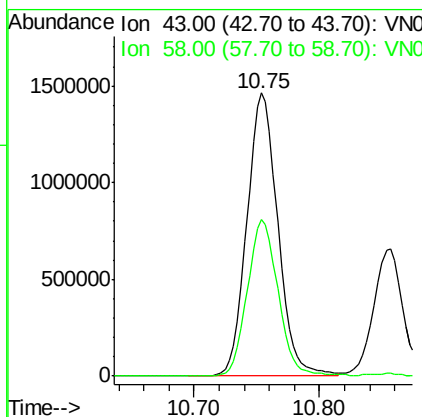
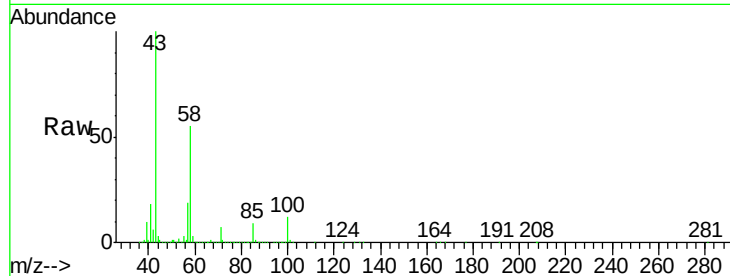
#59
2-Hexanone
Concen: 315.773 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2514517
Ion Ratio Lower Upper
43 100
58 55.2 27.8 83.4

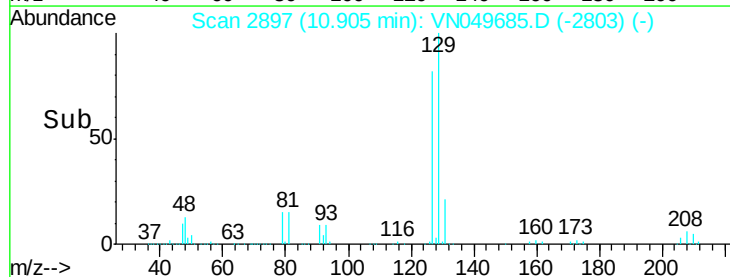
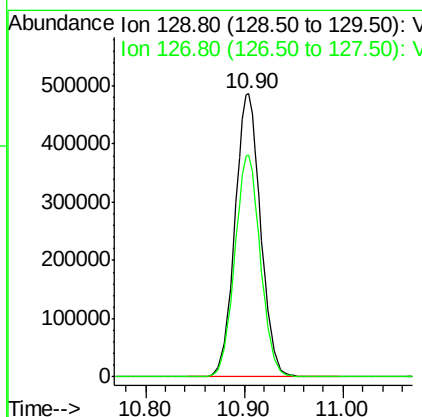
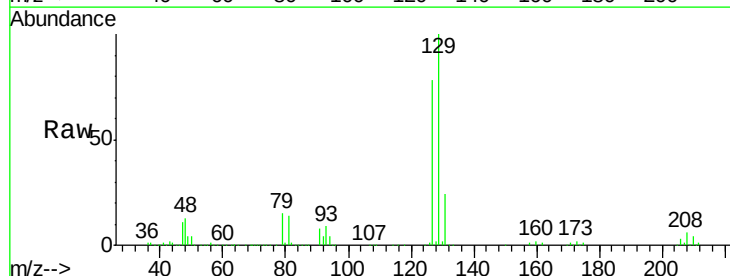
Manual Integrations
APPROVED

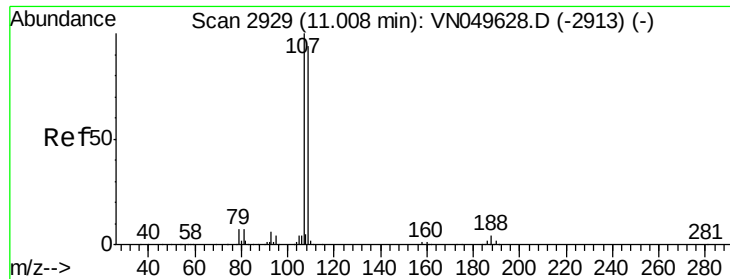
sam
7/5/2018 2:27:29 PM



#60
Dibromochloromethane
Concen: 55.978 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 129 Resp: 875101
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 54.618 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 756949

Ion Ratio Lower Upper

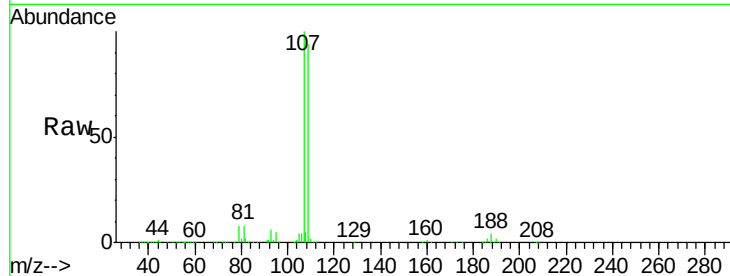
107 100

109 94.6 75.0 112.6

Manual Integrations
APPROVED

sam

7/5/2018 2:27:29 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

400000

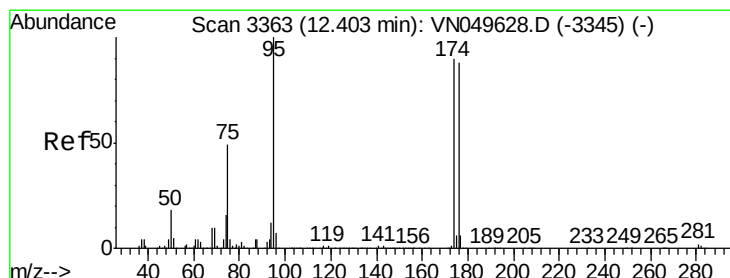
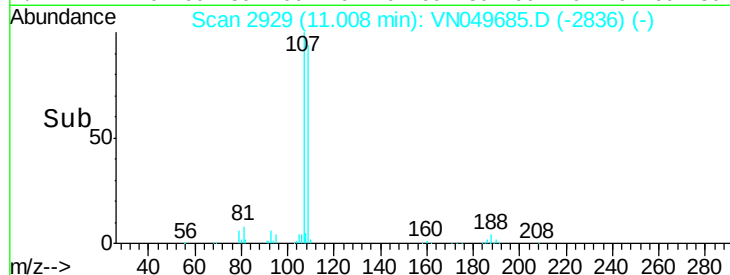
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.949 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

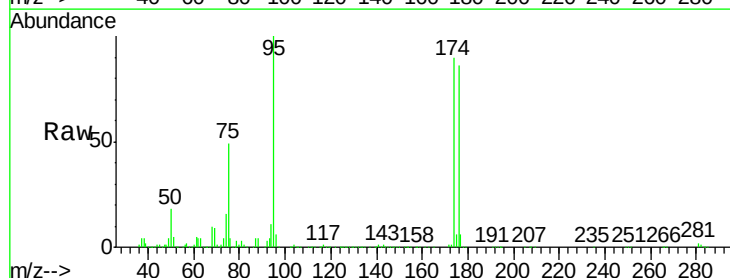
Tgt Ion: 95 Resp: 952753

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.6

176 86.5 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

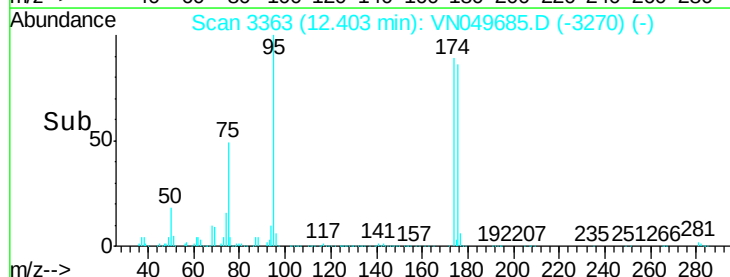
600000

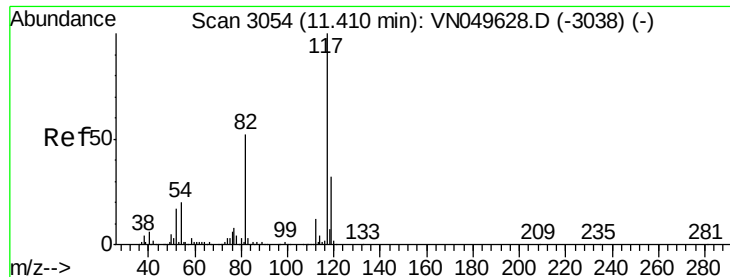
400000

200000

0

Time--> 12.30 12.40 12.50





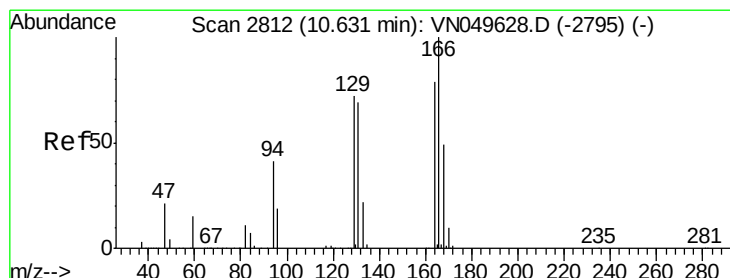
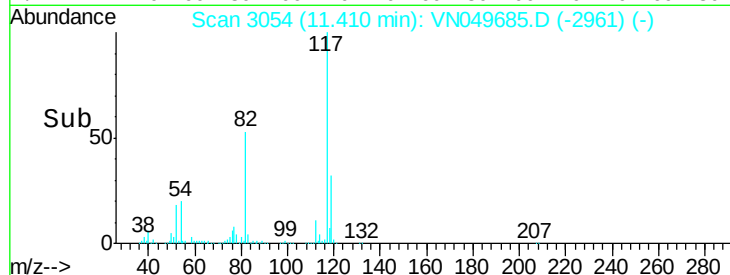
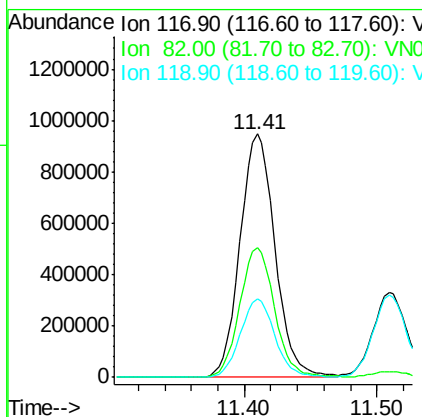
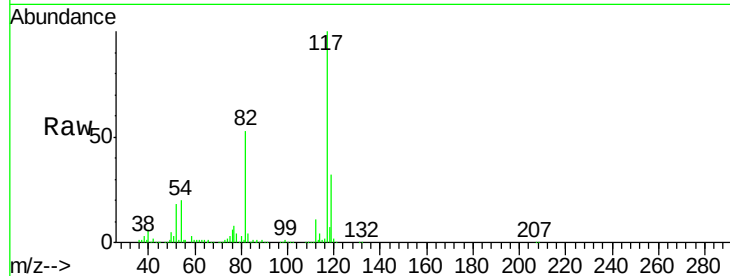
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.9	62.9
119	32.1	25.4	38.2

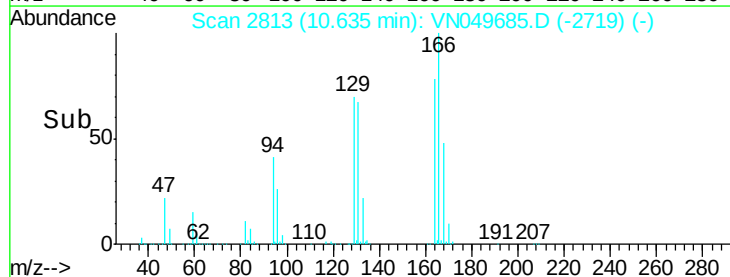
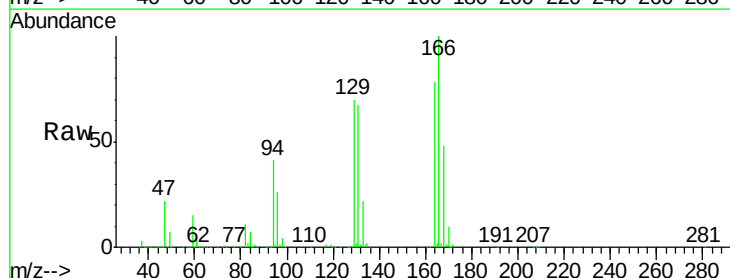
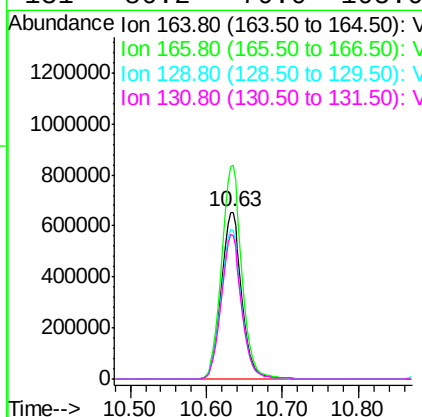
Manual Integrations
APPROVED

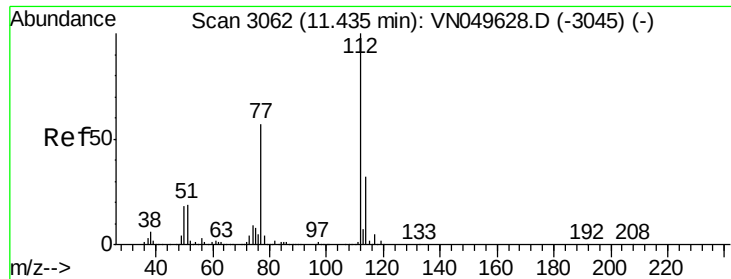
sam
7/5/2018 2:27:29 PM



#64
Tetrachloroethene
Concen: 51.481 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.8	152.6
129	89.1	72.8	109.2
131	86.2	70.0	105.0





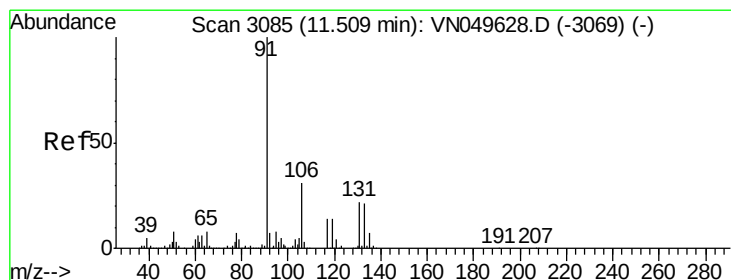
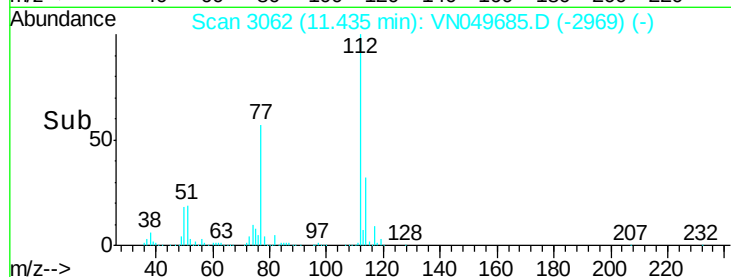
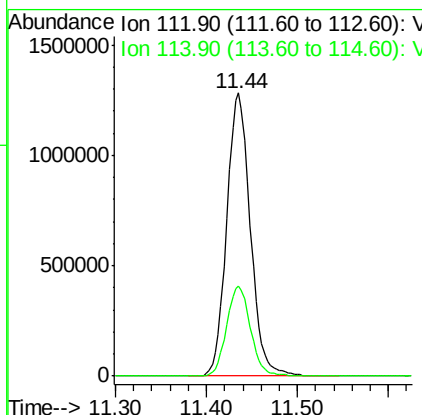
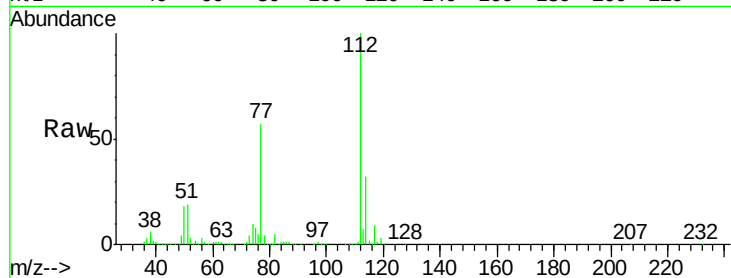
#65
Chlorobenzene
Concen: 50.999 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 2310805
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

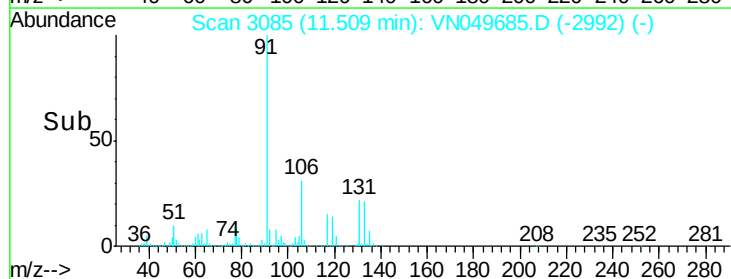
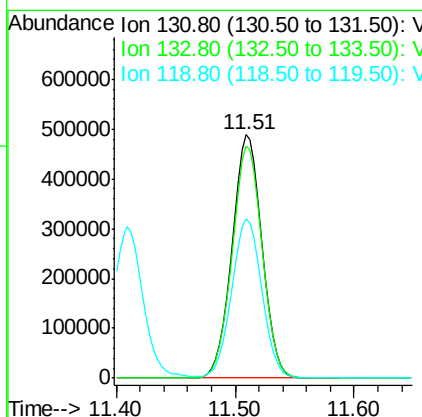
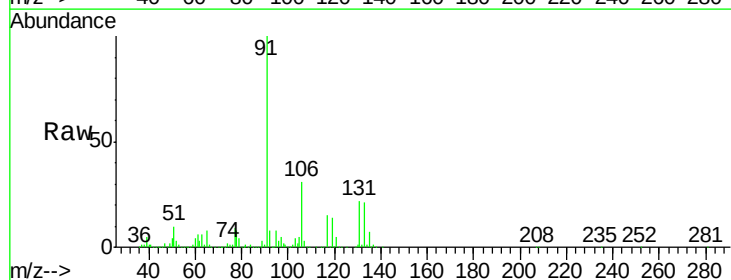
Manual Integrations
APPROVED

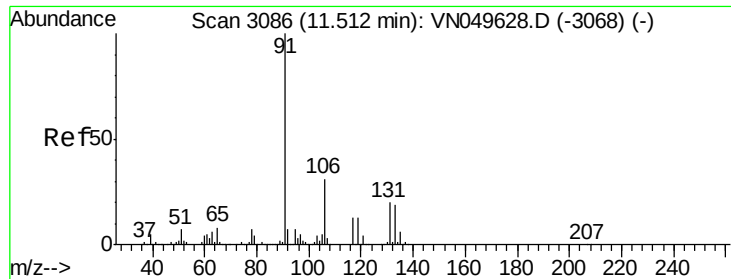
sam
7/5/2018 2:27:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.071 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion:131 Resp: 847767
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 66.4 33.1 99.3





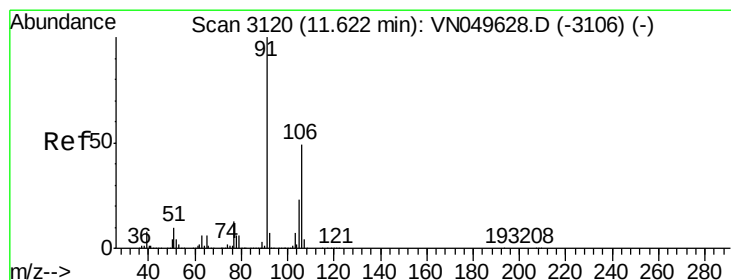
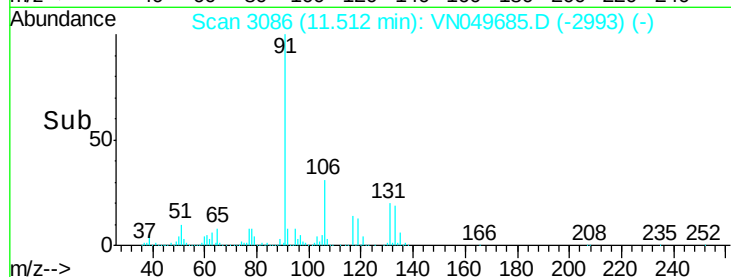
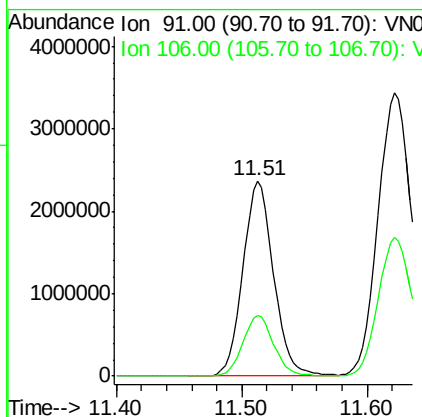
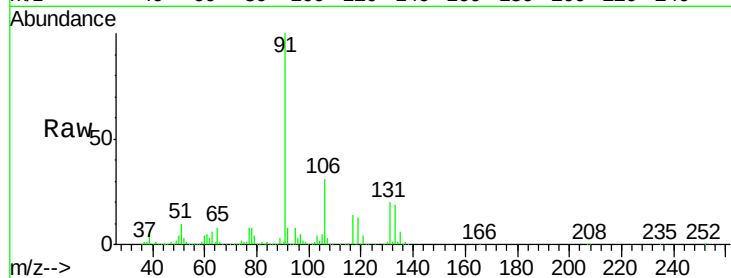
#67
Ethyl Benzene
Concen: 53.831 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 4031933
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

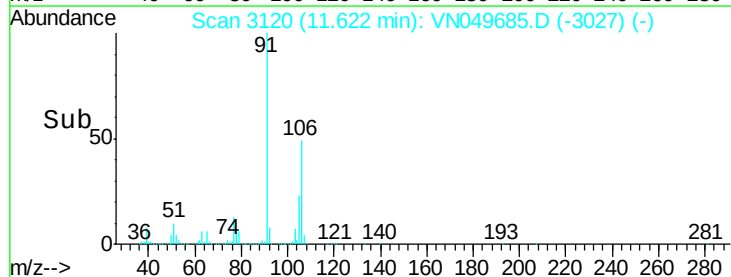
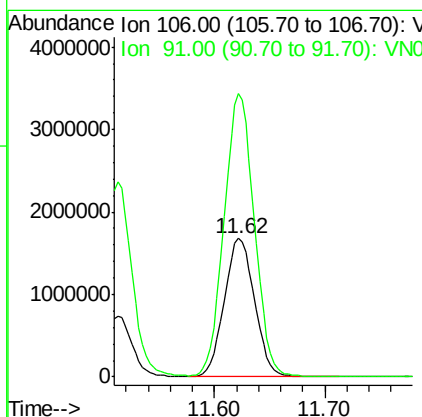
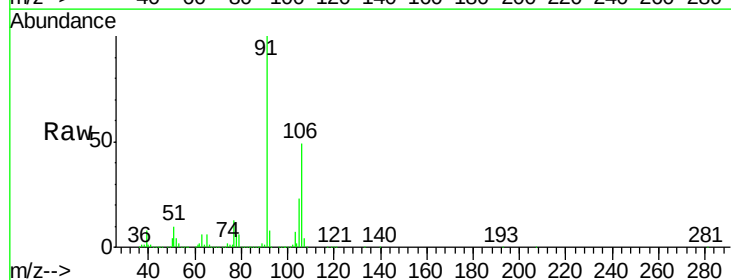
Manual Integrations
APPROVED

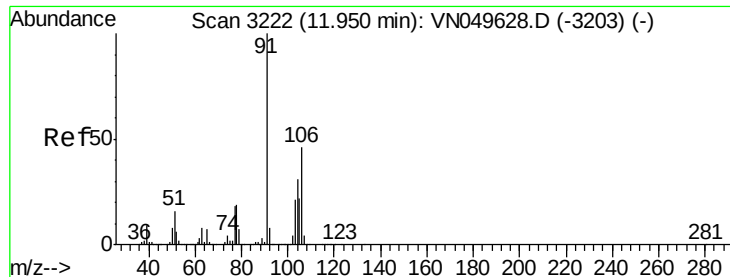
sam
7/5/2018 2:27:29 PM



#68
m/p-Xylenes
Concen: 111.390 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 106 Resp: 3197378
Ion Ratio Lower Upper
106 100
91 203.9 163.4 245.2





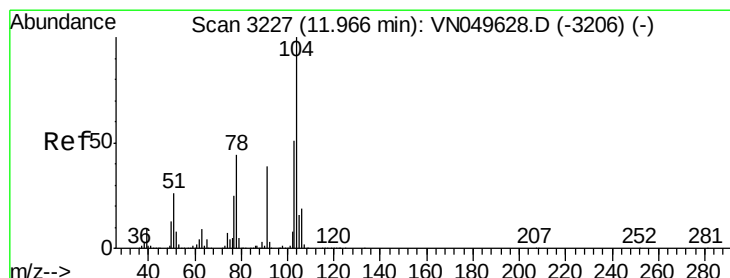
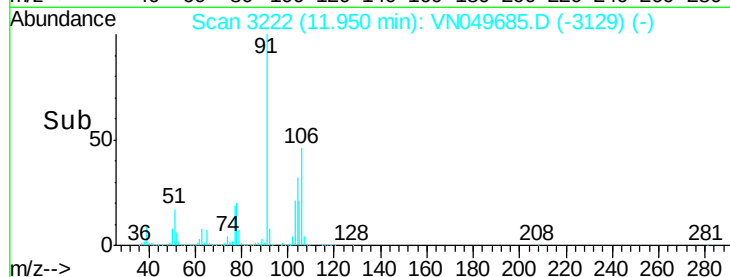
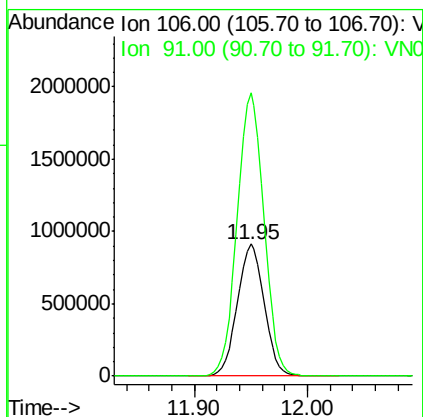
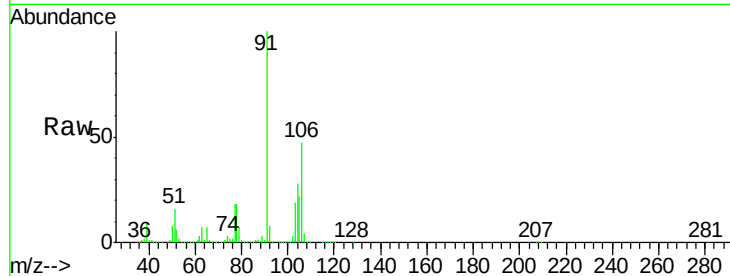
#69
o-Xylene
Concen: 54.969 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 1510641
Ion Ratio Lower Upper
106 100
91 214.4 108.7 326.1

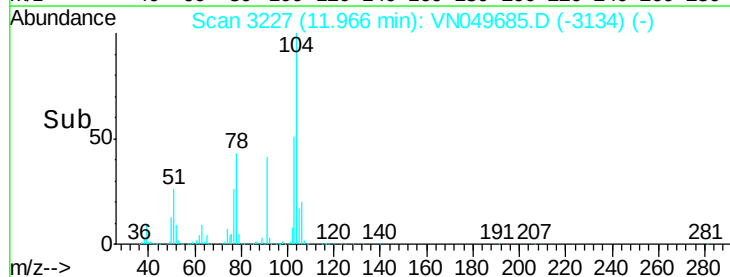
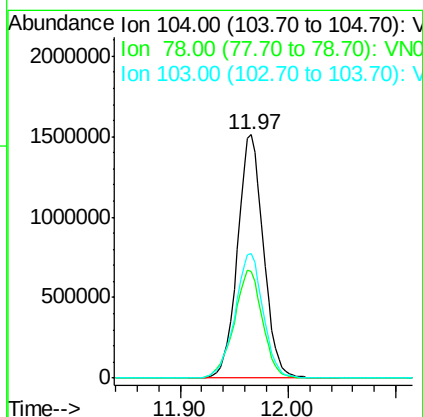
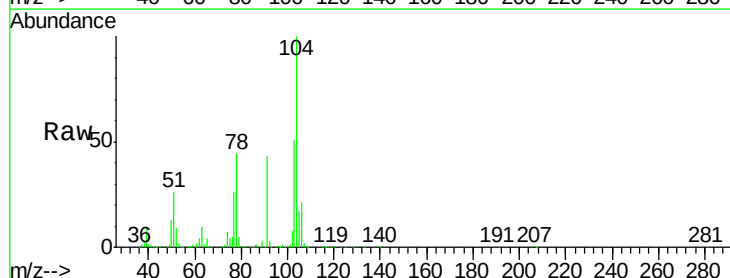
Manual Integrations
APPROVED

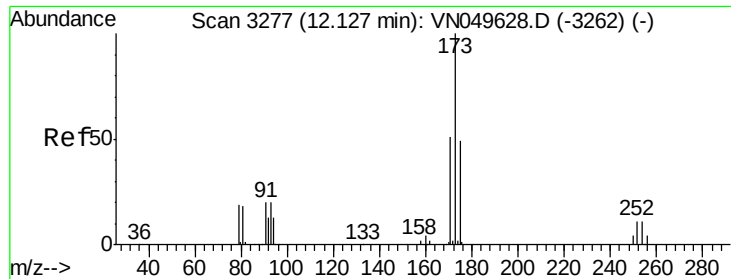
sam
7/5/2018 2:27:29 PM



#70
Styrene
Concen: 57.010 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion:104 Resp: 2534988
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 55.7 44.6 67.0





#71

Bromoform

Concen: 56.094 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 606839

Ion Ratio Lower Upper

173 100

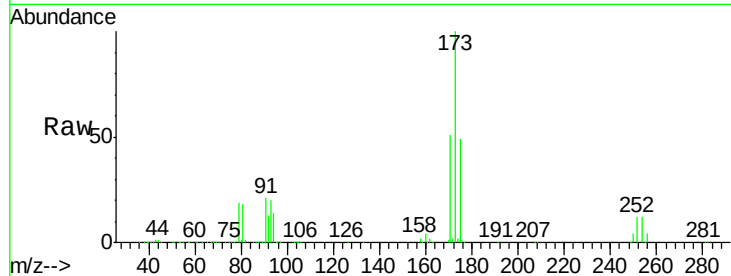
175 48.8 24.6 73.8

254 0.2 0.2 0.2#

Manual Integrations
APPROVED

sam

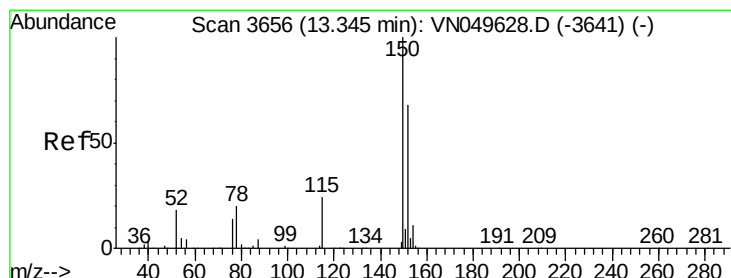
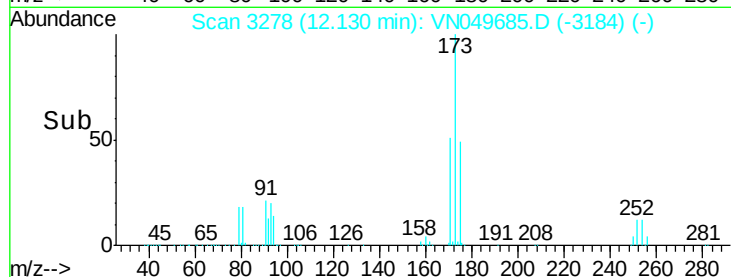
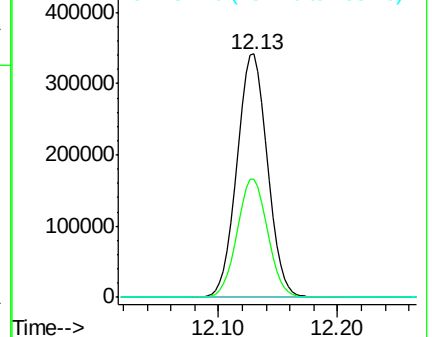
7/5/2018 2:27:29 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

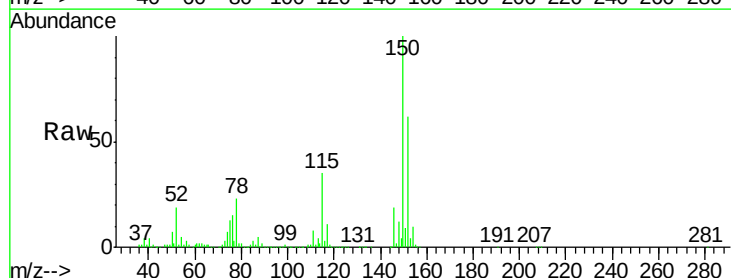
Tgt Ion:152 Resp: 1018333

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

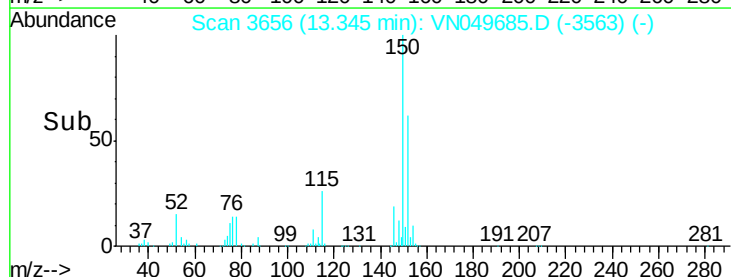
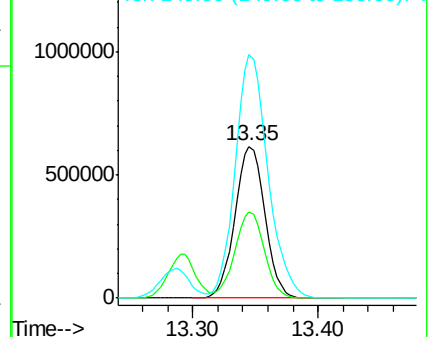
150 175.7 0.0 347.6

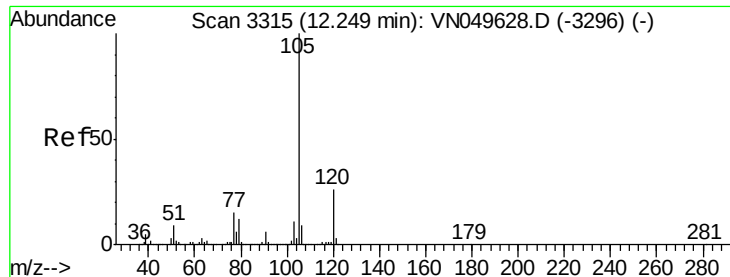


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.406 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 4007586

Ion Ratio Lower Upper

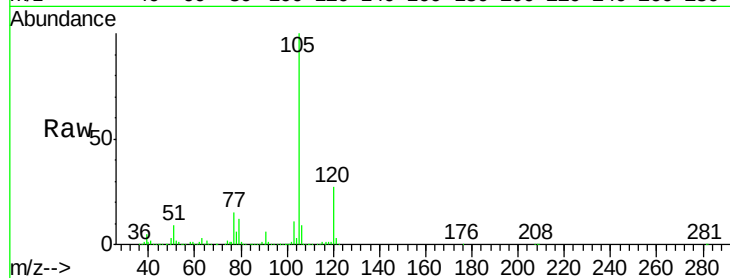
105 100

120 26.4 13.3 39.8

Manual Integrations
APPROVED

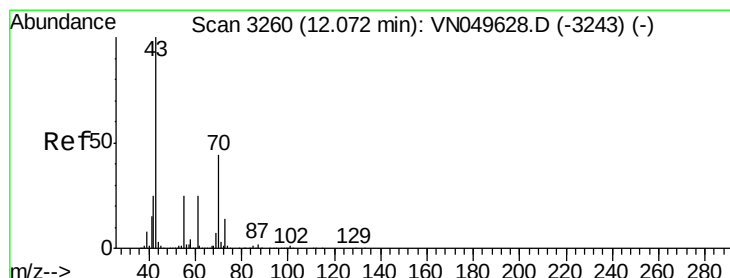
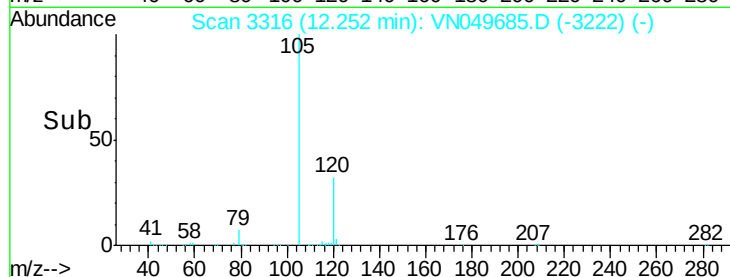
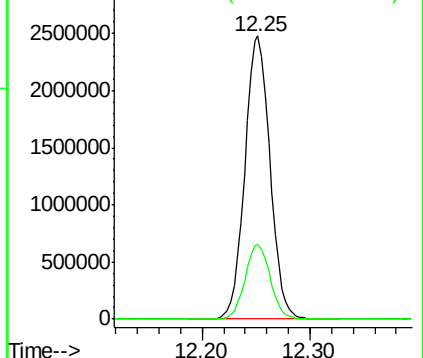
sam

7/5/2018 2:27:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.032 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Tgt Ion: 43 Resp: 1152867

Ion Ratio Lower Upper

43 100

70 43.6 34.8 52.2

55 26.2 20.9 31.3

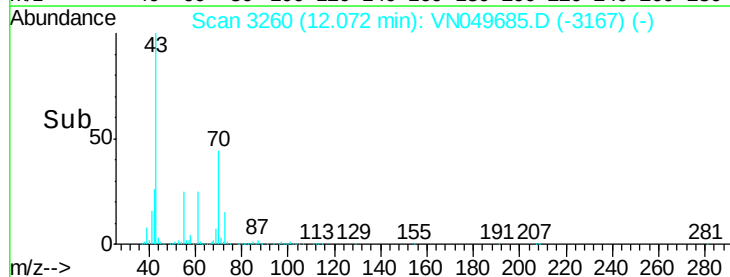
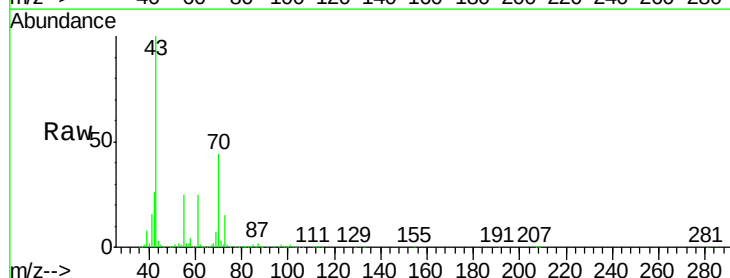
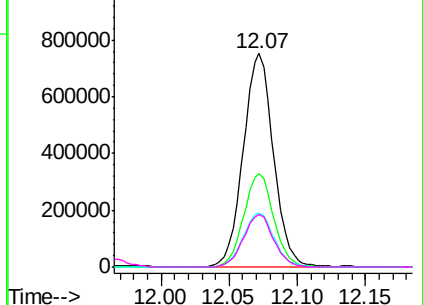
61 24.6 19.9 29.9

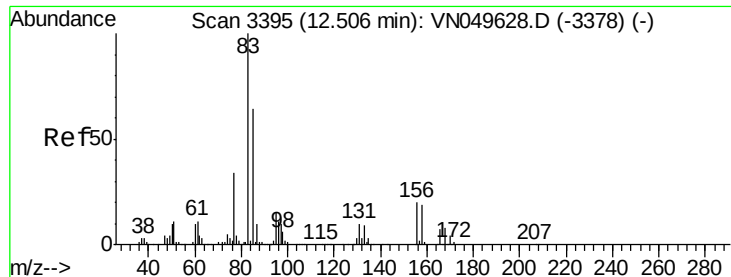
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.466 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

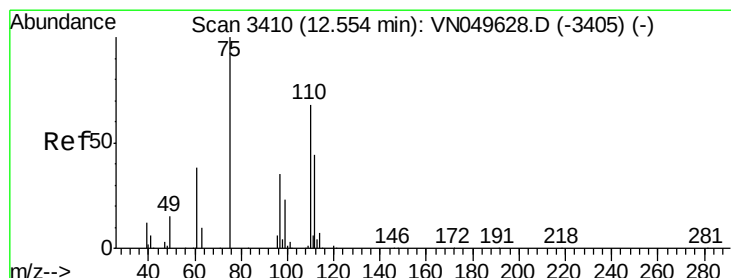
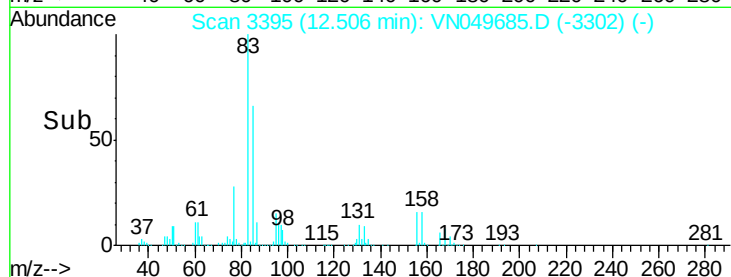
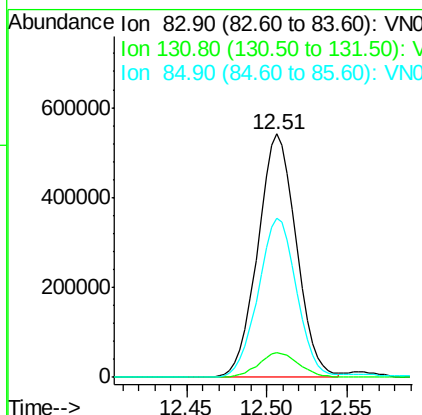
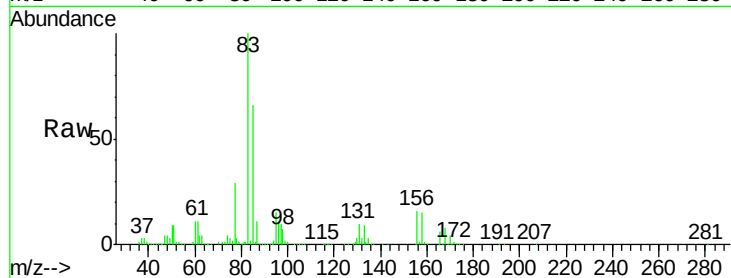
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	899016
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	65.5	32.5	97.4

Manual Integrations
APPROVED

sam
7/5/2018 2:27:29 PM



#76

1,2,3-Trichloropropane

Concen: 51.390 ug/l m

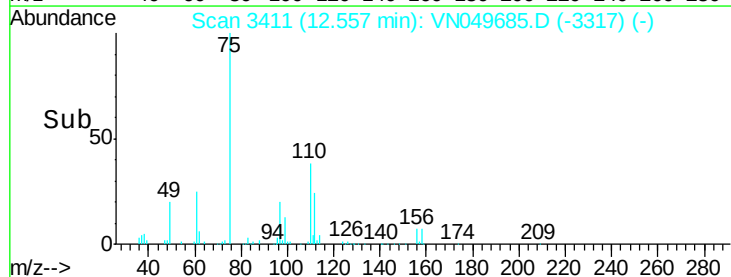
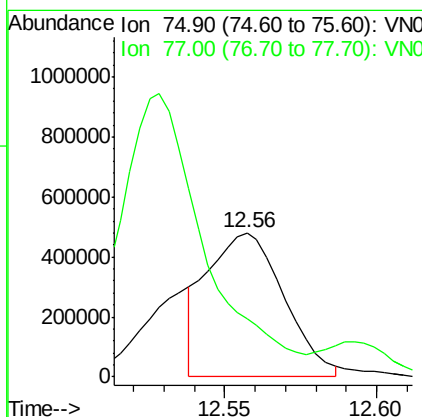
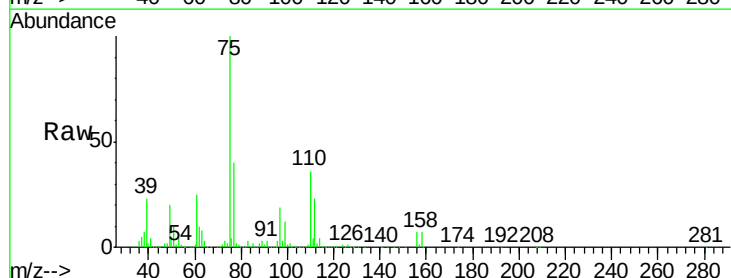
RT: 12.56 min Scan# 3411

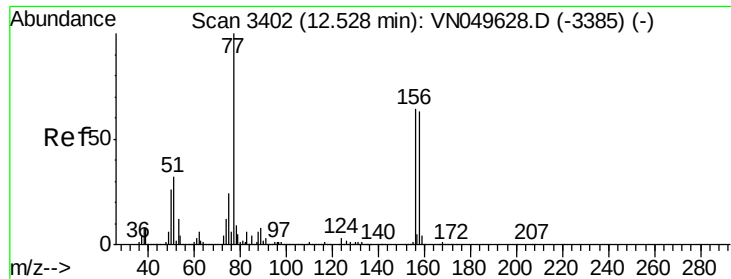
Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Tgt Ion:	75	Resp:	839299
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.408 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1023612

Ion Ratio Lower Upper

156 100

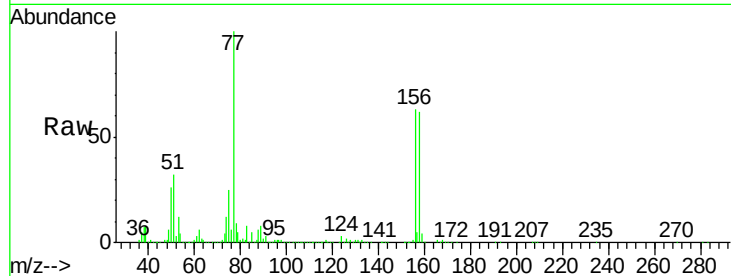
77 181.6 90.2 270.6

158 98.5 49.1 147.3

Manual Integrations
APPROVED

sam

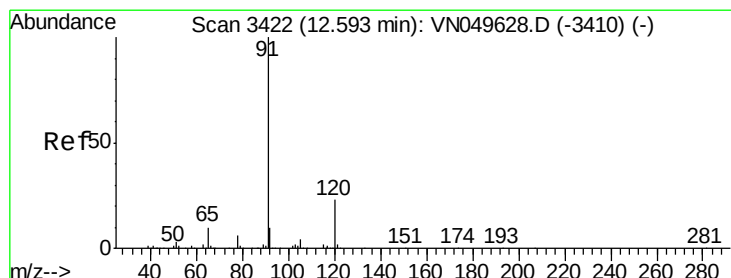
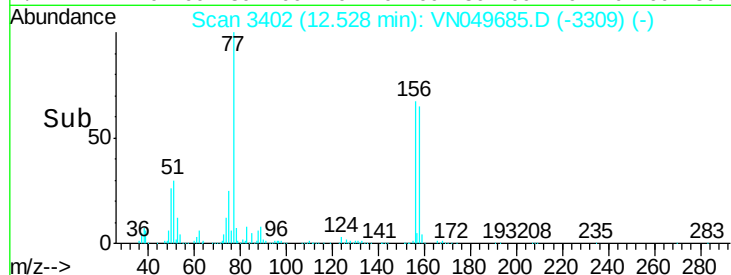
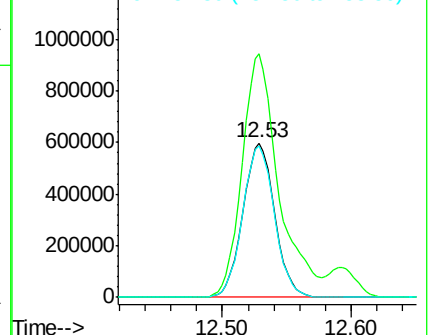
7/5/2018 2:27:29 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.829 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049685.D

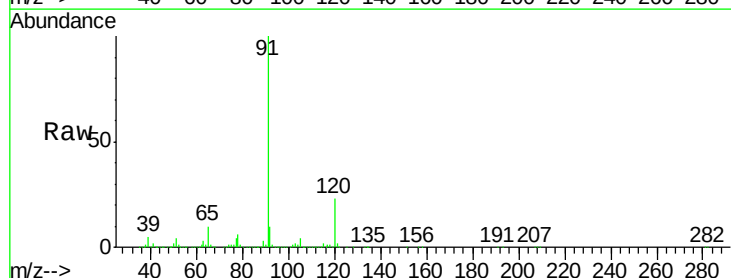
Acq: 3 Jul 2018 9:57

Tgt Ion: 91 Resp: 4818300

Ion Ratio Lower Upper

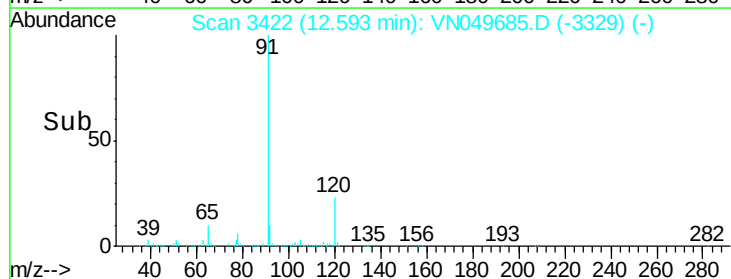
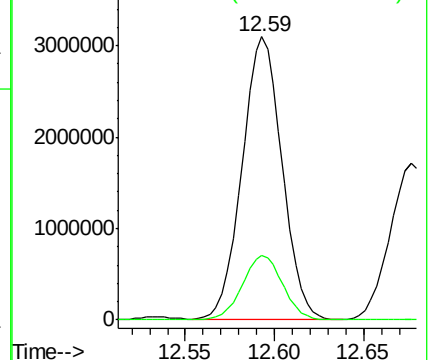
91 100

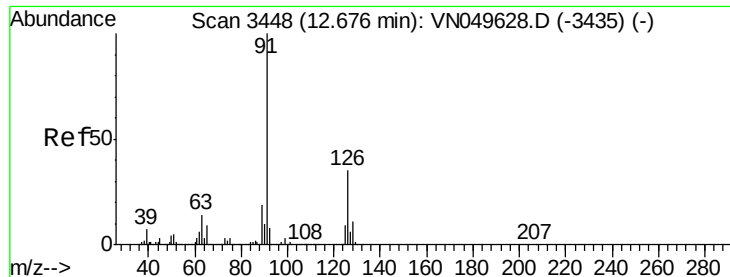
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.136 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 2832100

Ion Ratio Lower Upper

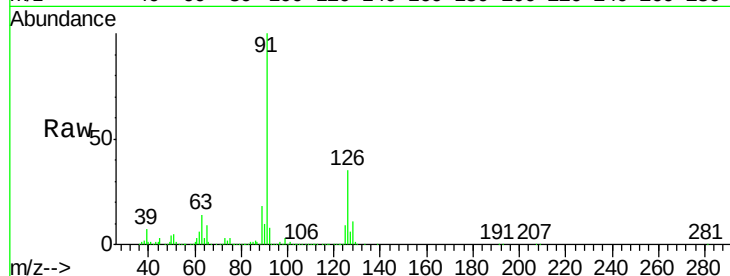
91 100

126 34.8 17.5 52.5

Manual Integrations
APPROVED

sam

7/5/2018 2:27:29 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049628.D (-3435) (-)

2000000

1500000

1000000

500000

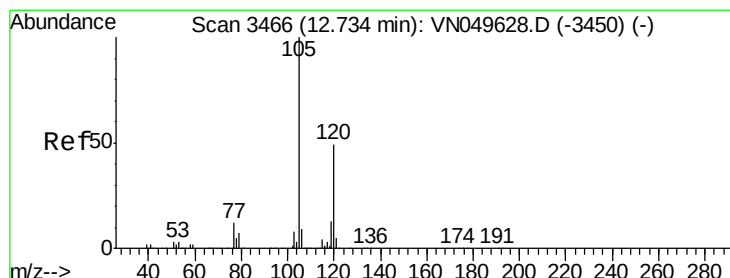
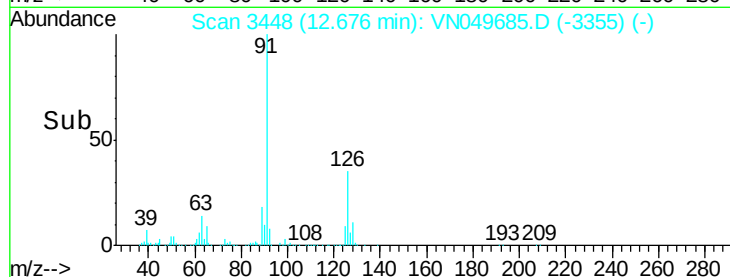
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.018 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049685.D

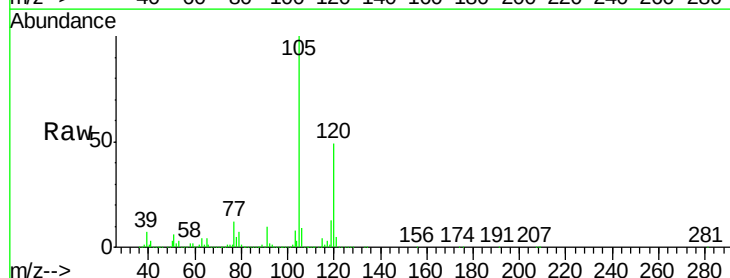
Acq: 3 Jul 2018 9:57

Tgt Ion:105 Resp: 3506291

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3450) (-)

2500000

2000000

1500000

1000000

500000

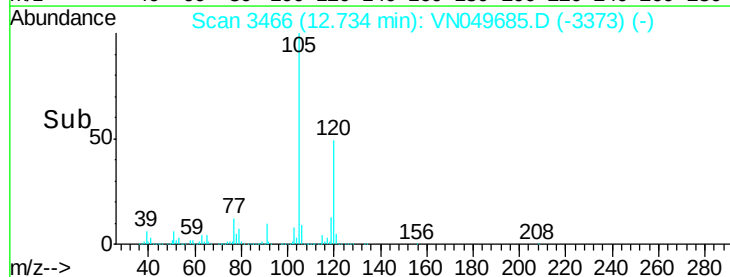
0

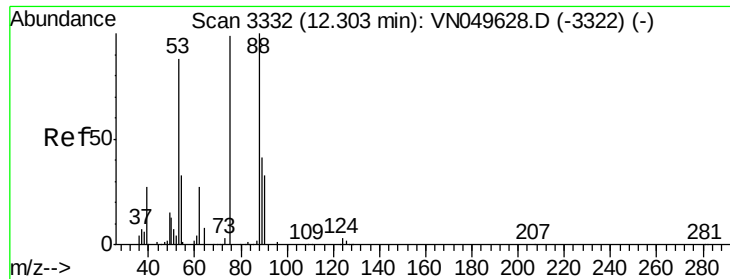
12.70

12.73

12.80

Time-->





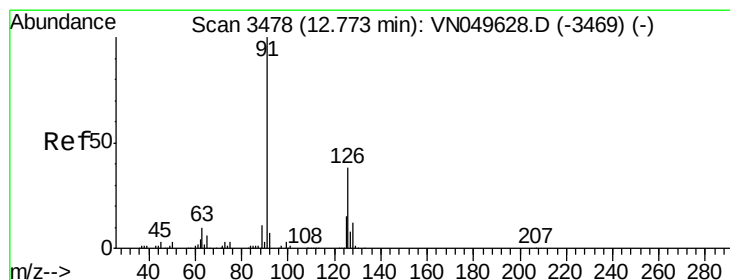
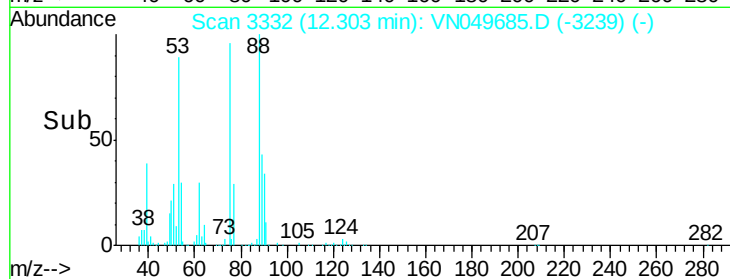
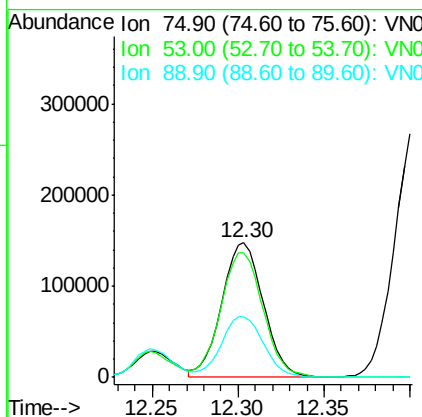
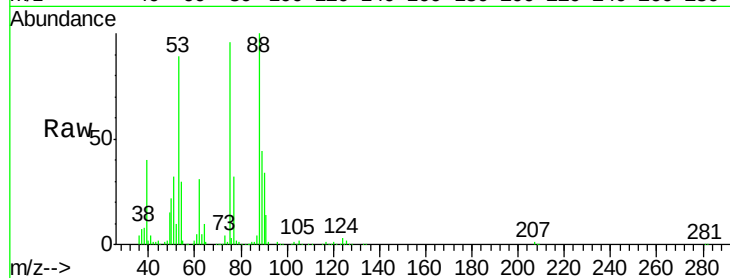
#81
trans-1,4-Dichloro-2-butene
Concen: 51.331 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	73.9	110.9
89	46.3	35.9	53.9

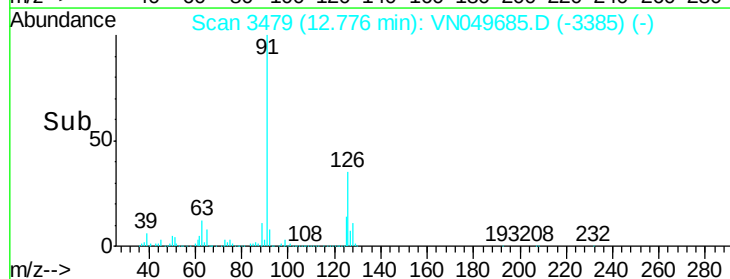
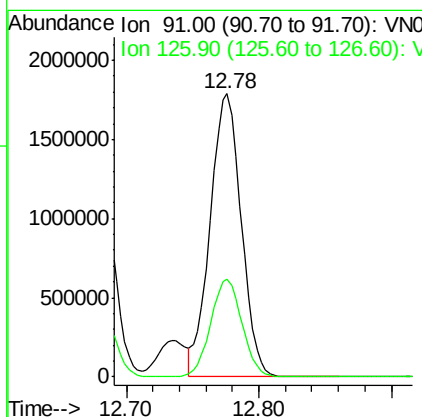
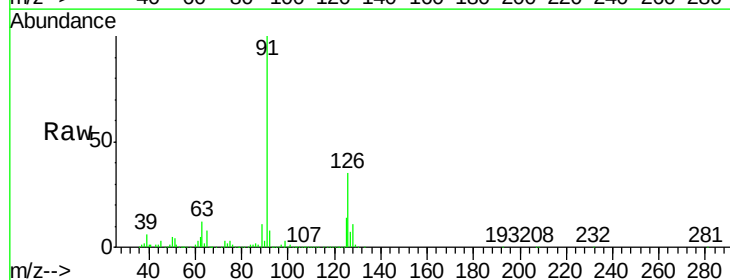
Manual Integrations
APPROVED

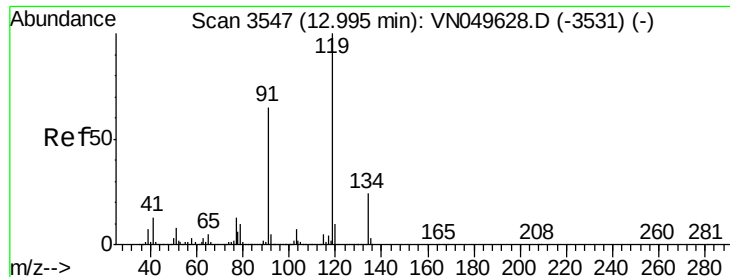
sam
7/5/2018 2:27:29 PM



#82
4-Chlorotoluene
Concen: 49.149 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.6





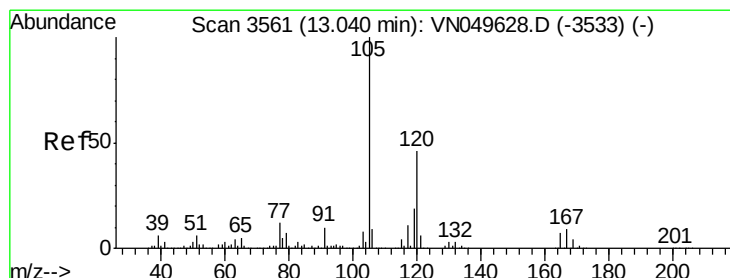
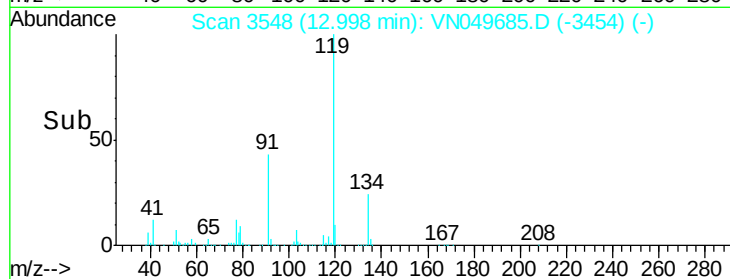
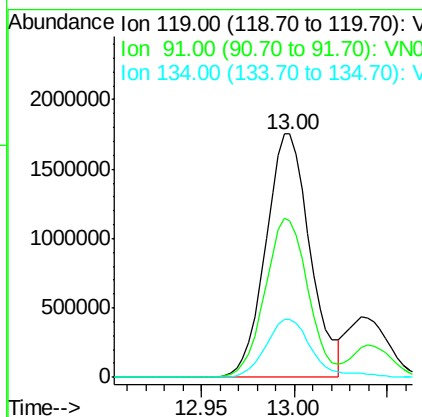
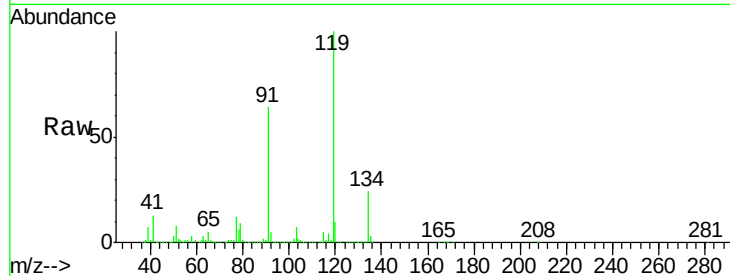
#83
 tert-Butylbenzene
 Concen: 50.496 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	32.0	96.2
134	25.0	12.8	38.4

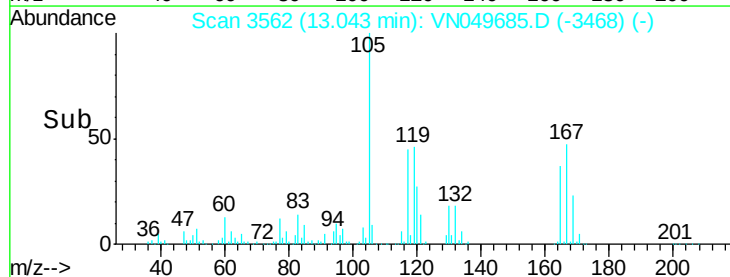
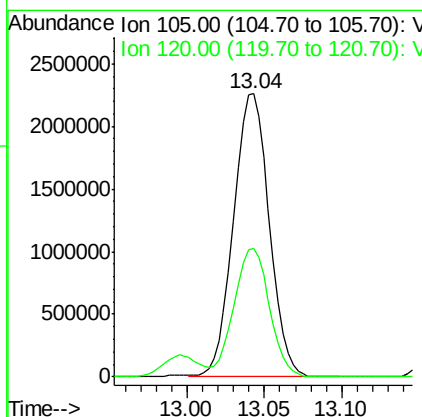
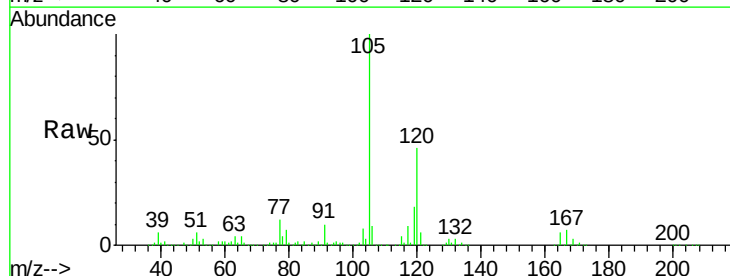
Manual Integrations
 APPROVED

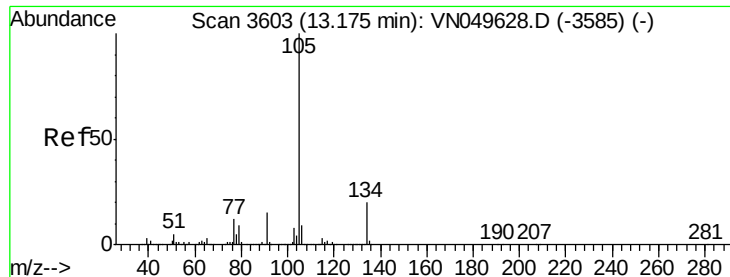
sam
 7/5/2018 2:27:29 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.210 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1





#85

sec-Butylbenzene

Concen: 52.224 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 4006504

Ion Ratio Lower Upper

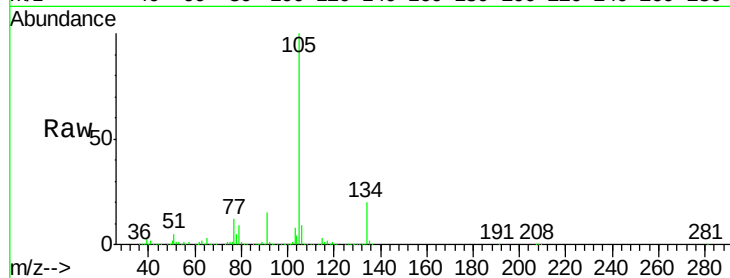
105 100

134 20.0 10.1 30.1

Manual Integrations
APPROVED

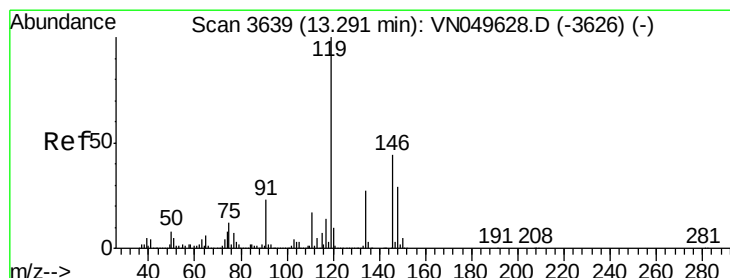
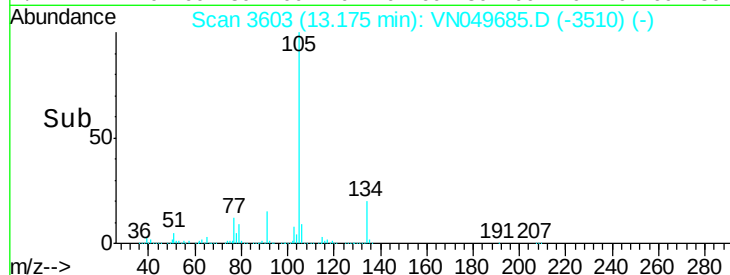
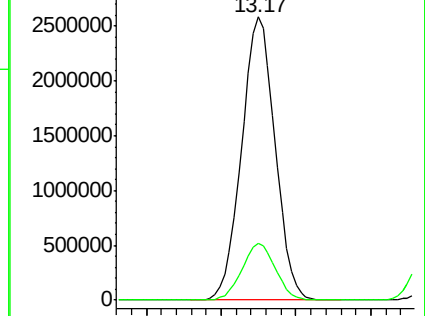
sam

7/5/2018 2:27:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.197 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

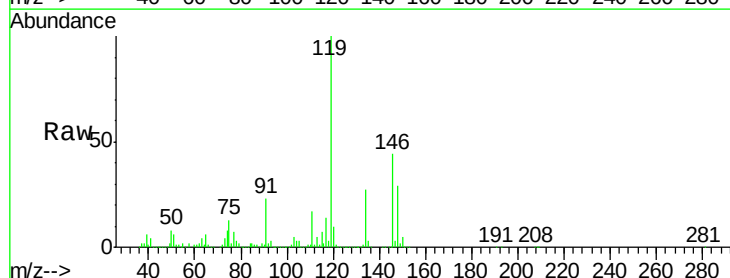
Tgt Ion:119 Resp: 3601358

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

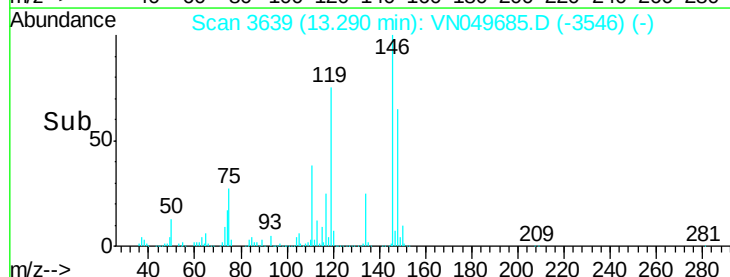
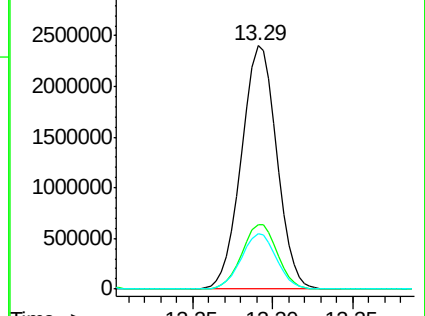
91 22.7 11.4 34.1

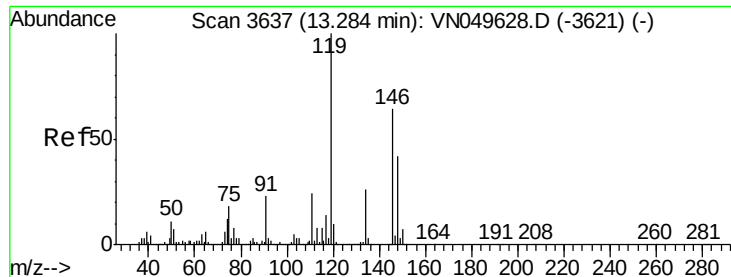


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





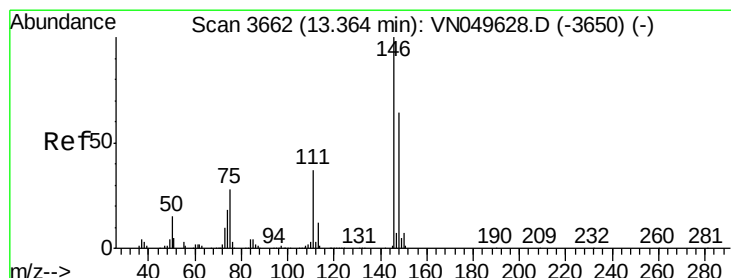
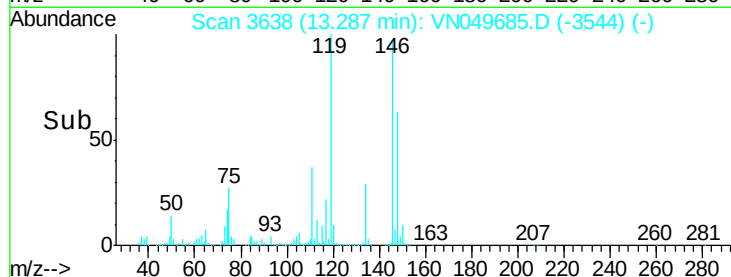
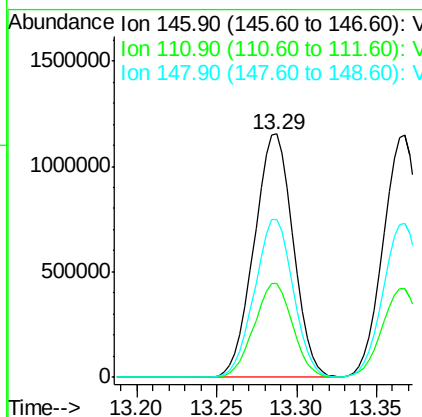
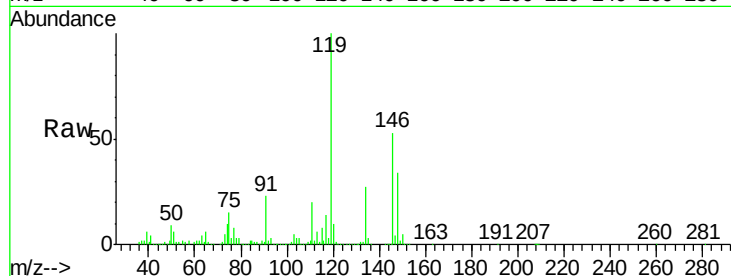
#87
 1,3-Dichlorobenzene
 Concen: 51.894 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	64.1	32.5	97.5

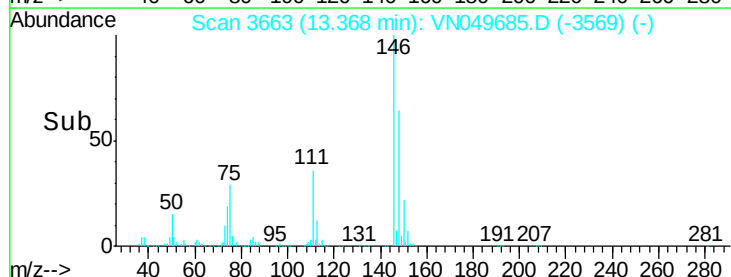
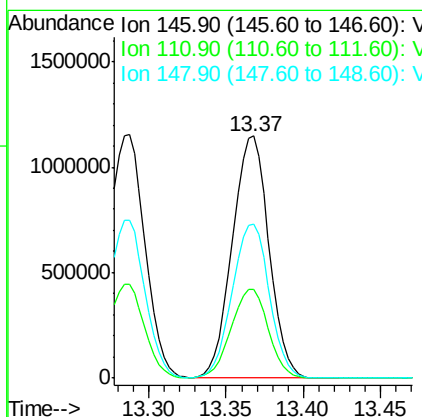
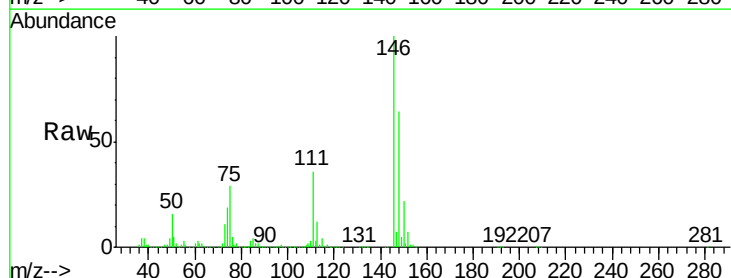
Manual Integrations
 APPROVED

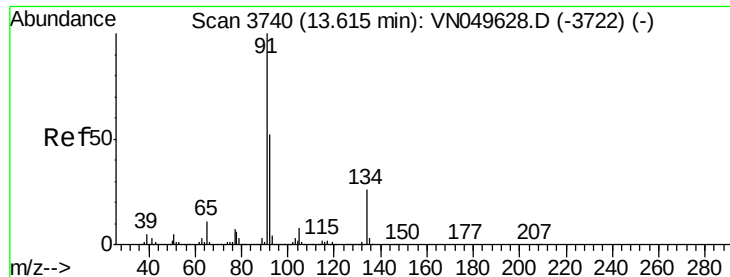
sam
 7/5/2018 2:27:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.501 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.5
148	64.5	32.1	96.3





#89

n-Butylbenzene

Concen: 53.260 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 3029917

Ion Ratio Lower Upper

91 100

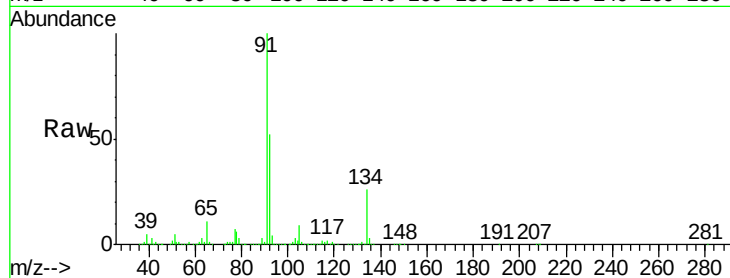
92 51.5 25.8 77.3

134 25.9 13.0 38.9

Manual Integrations
APPROVED

sam

7/5/2018 2:27:29 PM

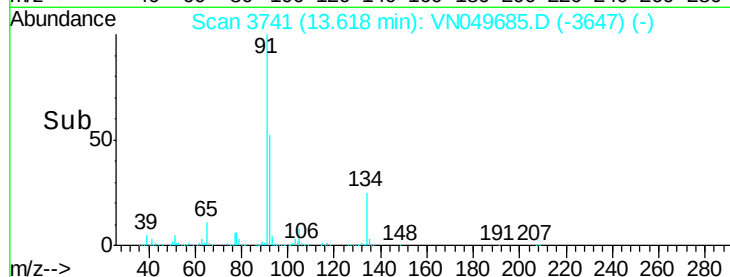


Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3722) (-)

Ion 92.00 (91.70 to 92.70): VN049628.D (-3722) (-)

Ion 134.00 (133.70 to 134.70): VN049628.D (-3722) (-)

Time-->

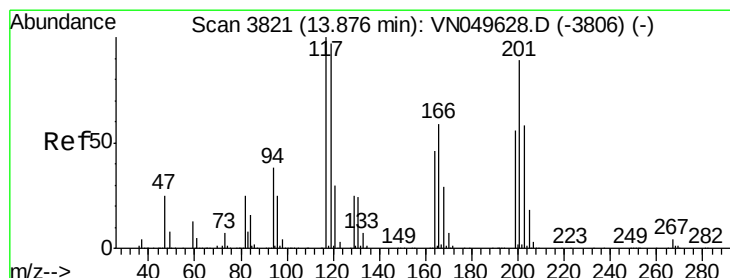


Abundance Ion 91.00 (90.70 to 91.70): VN049685.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN049685.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN049685.D (-3647) (-)

Time-->



#90

Hexachloroethane

Concen: 52.246 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN049685.D

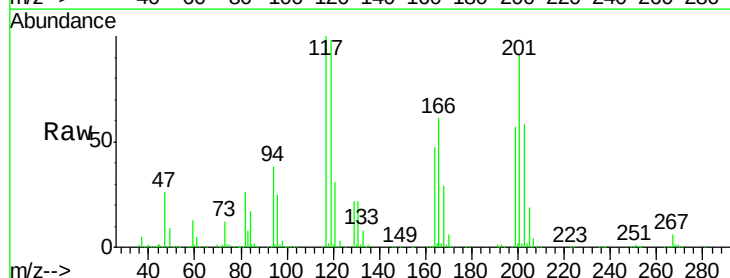
Acq: 3 Jul 2018 9:57

Tgt Ion: 117 Resp: 364675

Ion Ratio Lower Upper

117 100

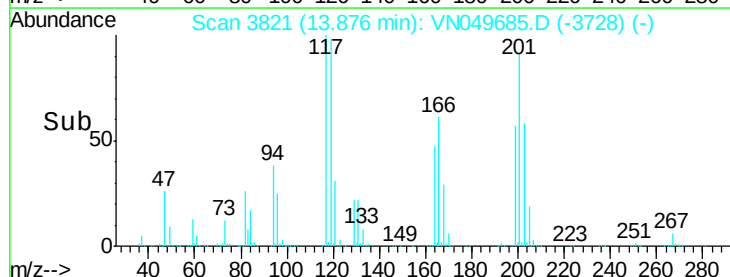
201 91.1 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): VN049628.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN049628.D (-3806) (-)

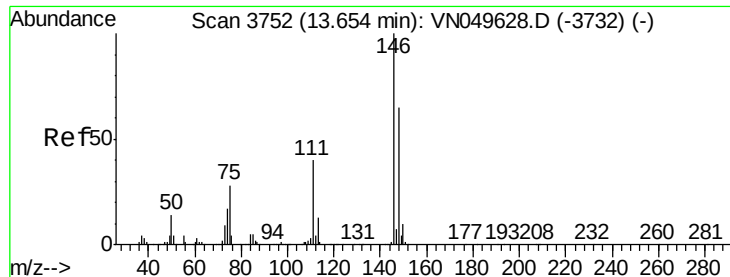
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN049685.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN049685.D (-3728) (-)

Time-->



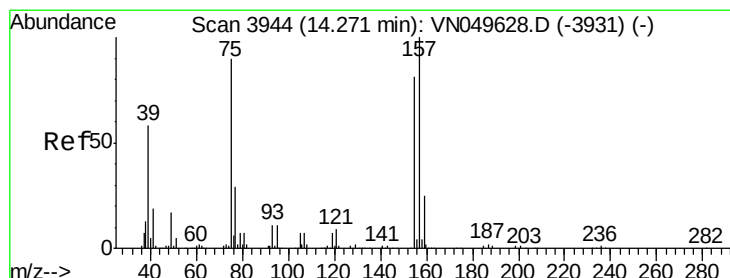
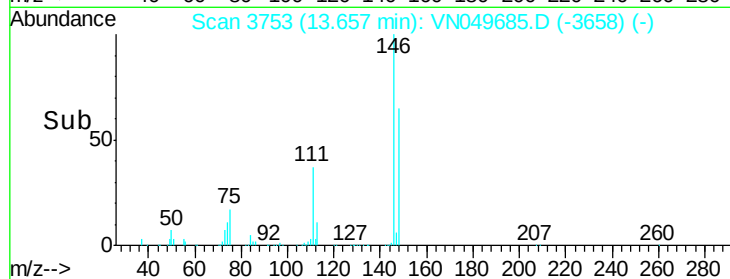
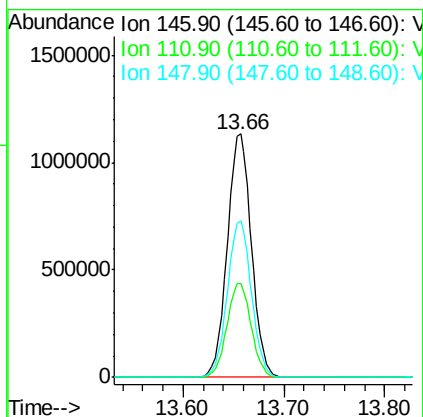
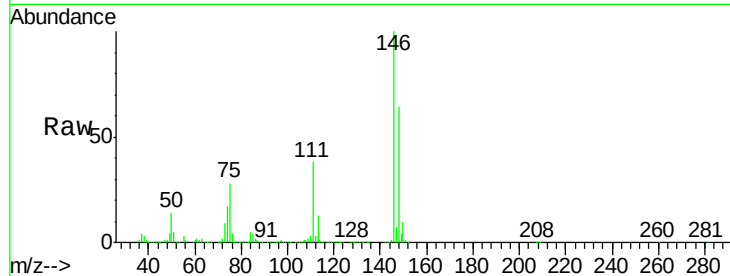
#91
 1,2-Dichlorobenzene
 Concen: 52.601 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	64.3	32.0	96.2

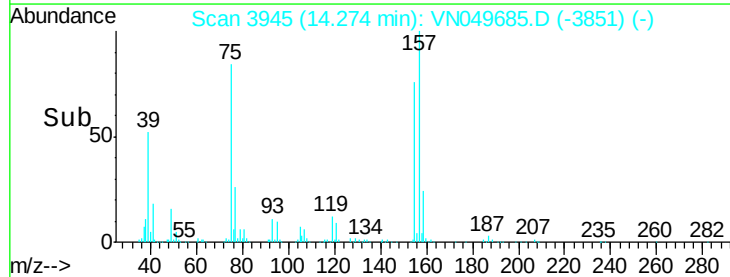
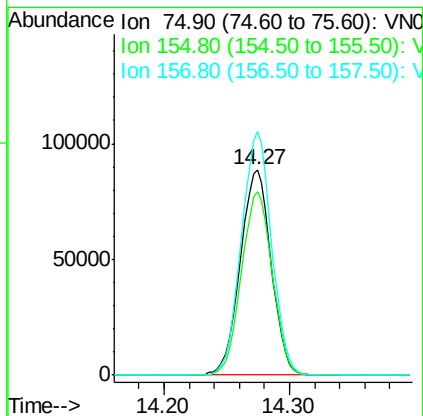
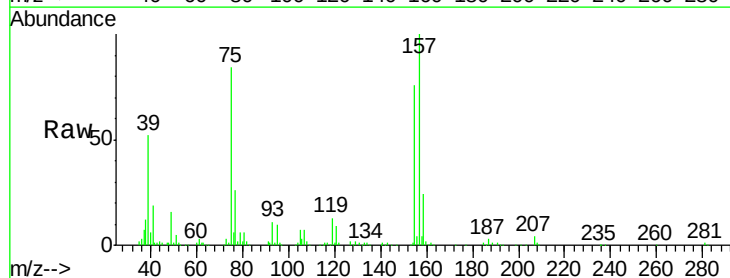
Manual Integrations
 APPROVED

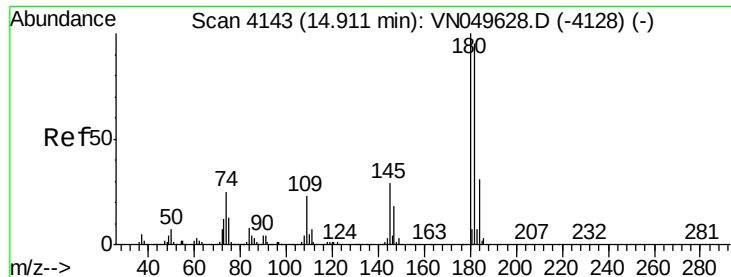
sam
 7/5/2018 2:27:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.804 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	45.7	137.1
157	115.9	56.9	170.7





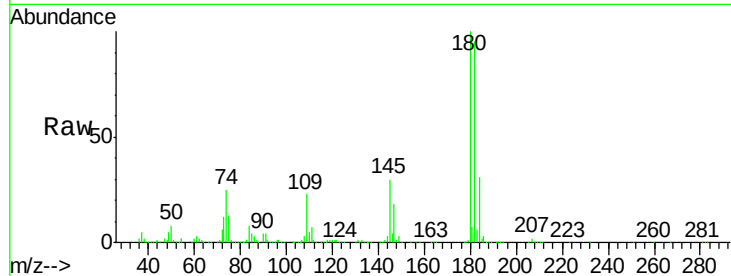
#93
 1,2,4-Trichlorobenzene
 Concen: 47.370 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

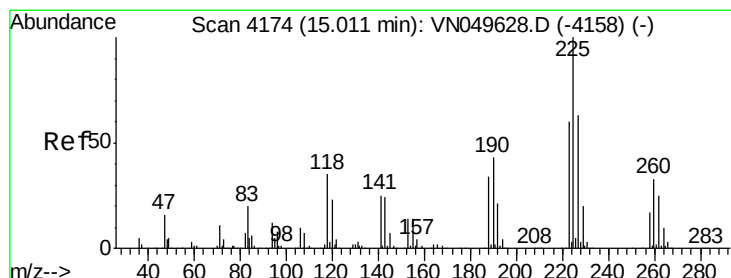
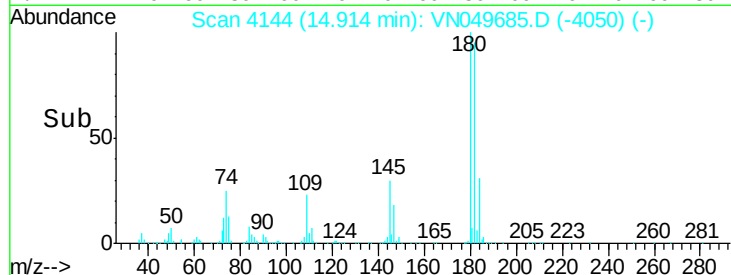
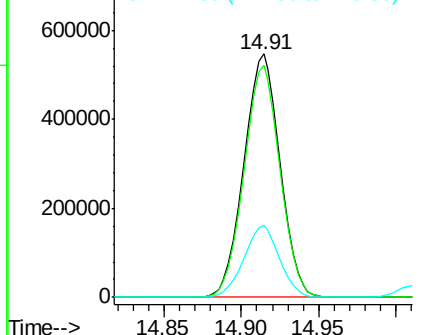
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	47.3	141.9	
145	29.0	14.4	43.0	

Manual Integrations
 APPROVED

sam
 7/5/2018 2:27:29 PM

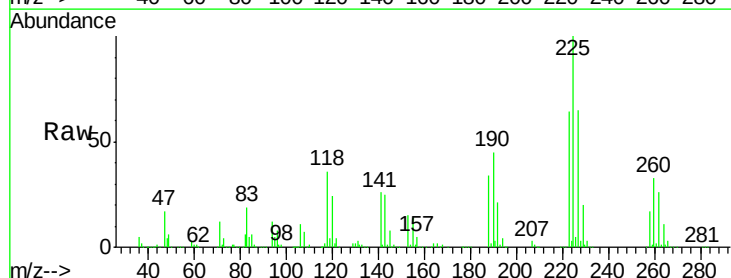


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

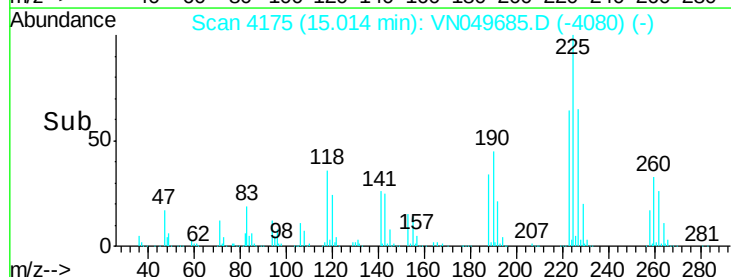
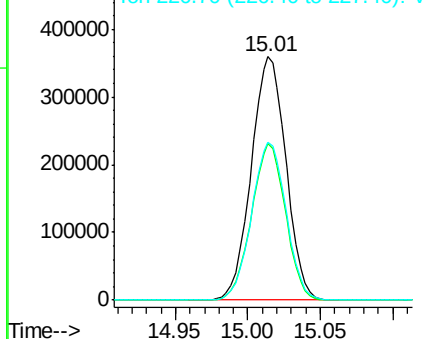


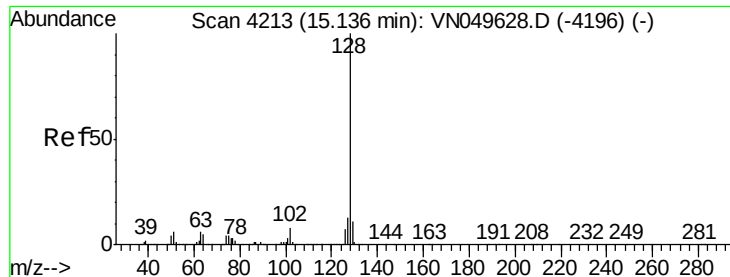
#94
 Hexachlorobutadiene
 Concen: 55.474 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	30.9	92.7	
227	64.6	31.8	95.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





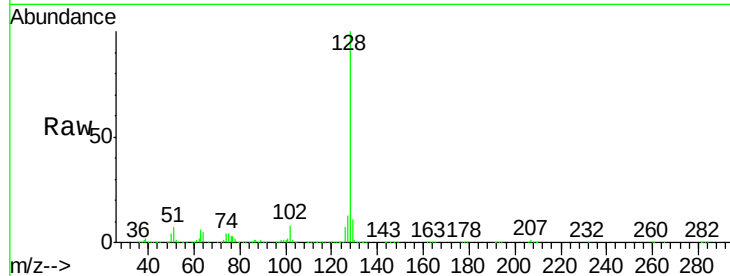
#95
Naphthalene
Concen: 45.680 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

sam
7/5/2018 2:27:29 PM

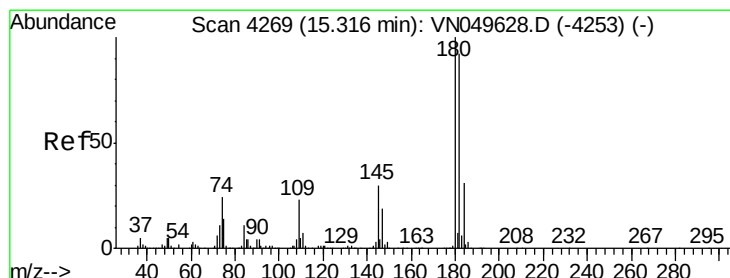
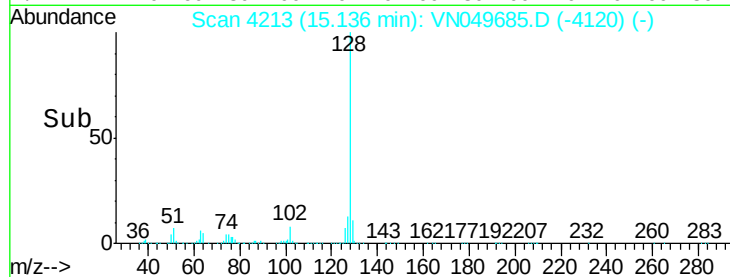
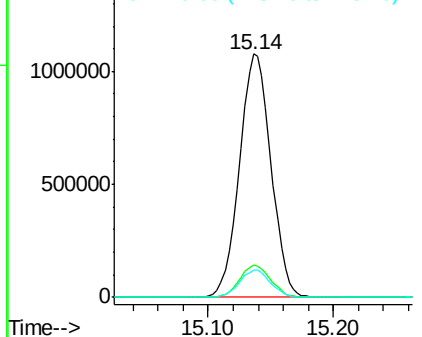


Abundance

Ion 128.00 (127.70 to 128.70): V

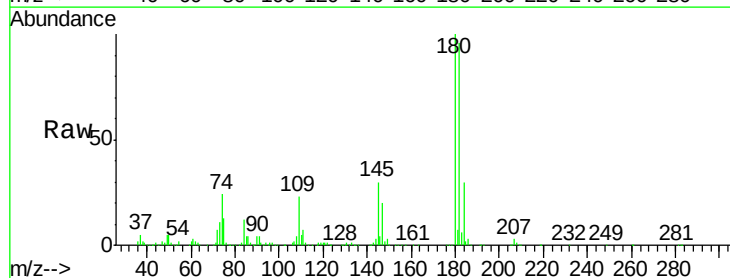
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.109 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	29.9	15.2	45.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

